

Online Library  
Effective Modern  
C : 42 Specific  
*Effective*  
Ways To Improve  
*Modern C : C11*  
And C 14  
*Specific Ways*  
*To Improve*  
*Your Use Of C*  
*11 And C 14*  
***Templates are***  
***among the***  
***most powerful***

Online Library  
Effective Modern  
C : 42 Specific  
*features of*  
Ways To Improve  
*C++, but they*  
Your Use Of C 11  
*remain*  
And C 14  
*misunderstood*  
*and*  
*underutilized,*  
*even as the*  
*C++ language*  
*and*  
*development*  
*community*  
*have*

Online Library  
Effective Modern  
C : 42 Specific  
*advanced. In*  
Ways To Improve  
*C++*  
Your Use Of C 11  
*Templates,*  
And C 14  
*Second*

*Edition, three  
pioneering  
C++ experts  
show why,  
when, and how  
to use modern  
templates to  
build software*

Online Library  
Effective Modern  
C++: 42 Specific  
*that's cleaner,*  
Ways To Improve  
*faster, more*  
Your Use Of C++  
*efficient, and*  
And C++  
*easier to*  
*maintain. Now*  
*extensively*  
*updated for*  
*the C++11,*  
*C++14, and*  
*C++17*  
*standards, this*  
*new edition*

Online Library  
Effective Modern  
C : 42 Specific  
*presents state-*  
Ways To Improve  
*of-the-art*  
Your Use Of C 11  
*techniques for*  
And C 14  
*a wider*

*spectrum of  
applications.  
The authors  
provide  
authoritative  
explanations  
of all new  
language*

Online Library  
Effective Modern  
C : 42 Specific  
*features that*  
Ways To Improve  
*either improve*  
Your Use Of C 11  
*templates or*  
And C 14  
*interact with*  
*them,*  
*including*  
*variadic*  
*templates,*  
*generic*  
*lambdas, class*  
*template*  
*argument*

Online Library  
Effective Modern  
C : 42 Specific  
*deduction,*  
Ways To Improve  
*compile-time*  
Your Use Of C 11  
*if, forwarding*  
And C 14  
*references,*  
*and user-*  
*defined*  
*literals. They*  
*also deeply*  
*delve into*  
*fundamental*  
*language*  
*concepts (like*

Online Library  
Effective Modern  
C : 42 Specific  
*value*  
Ways To Improve  
*categories)*  
Your Use Of C 11  
*and fully cover*  
And C 14  
*all standard*

*type traits.*

*The book  
starts with an  
insightful  
tutorial on  
basic concepts  
and relevant  
language*



Online Library  
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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*features. The remainder of the book serves as a comprehensive reference, focusing first on language details and then on coding techniques, advanced*

Online Library  
Effective Modern  
C : 42 Specific  
*applications,*  
Ways To Improve  
*and*  
Your Use Of C 11  
*sophisticated*  
And C 14  
*idioms.*

*Throughout,*  
*examples*  
*clearly*  
*illustrate*  
*abstract*  
*concepts and*  
*demonstrate*  
*best practices*

Online Library  
Effective Modern  
C++: 42 Specific  
*for exploiting*  
Ways To Improve  
*all that C++*  
Your Use Of C++  
*templates can*  
And C++  
*do.*

*Understand  
exactly how  
templates  
behave, and  
avoid common  
pitfalls Use  
templates to  
write more*

Online Library  
Effective Modern  
C : 42 Specific  
*efficient,*  
Ways To Improve  
*flexible, and*  
Your Use Of C 11  
*maintainable*  
And C 14  
*software*

*Master today's  
most effective  
idioms and  
techniques  
Reuse source  
code without  
compromising  
performance*

Online Library  
Effective Modern  
C : 42 Specific  
*or safety*  
Ways To Improve  
*Benefit from*  
Your Use Of C 11  
*utilities for*  
And C 14  
*generic*  
*programming*  
*in the C++*  
*Standard*  
*Library*  
*Preview the*  
*upcoming*  
*concepts*  
*feature The*

Online Library  
Effective Modern  
C : 42 Specific  
*companion*  
Ways To Improve  
*website,*  
Your Use Of C 11,  
*tmplbook.com,*  
And C 14  
*contains*  
*sample code*  
*and additional*  
*updates.*  
*Summary*  
*Functional*  
*Programming*  
*in C++*  
*teaches*

Online Library  
Effective Modern  
C : 42 Specific  
*developers the*  
Ways To Improve  
*practical side*  
Your Use Of C 11  
*of functional*  
And C 14  
*programming*  
*and the tools*  
*that C++*  
*provides to*  
*develop*  
*software in the*  
*functional*  
*style. This in-*  
*depth guide is*

Online Library  
Effective Modern  
C : 42 Specific  
*full of useful*  
Ways To Improve  
*diagrams that*  
Your Use Of C 11  
*help you*  
And C 14  
*understand FP*

*concepts and  
begin to think  
functionally.  
Purchase of  
the print book  
includes a free  
eBook in PDF,  
Kindle, and*



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Effective Modern  
C : 42 Specific  
*ePub formats*  
Ways To Improve  
*from Manning*  
Your Use Of C 11  
*Publications.*  
And C 14  
*About the*  
*Technology*  
*Well-written*  
*code is easier*  
*to test and*  
*reuse, simpler*  
*to parallelize,*  
*and less error*  
*prone.*

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Effective Modern  
C : 42 Specific  
*Mastering the  
Ways To Improve  
functional  
Your Use Of C 11  
style of  
And C 14  
programming  
can help you  
tackle the  
demands of  
modern apps  
and will lead  
to simpler  
expression of  
complex*

Online Library  
Effective Modern  
C : 42 Specific

*program logic,  
Ways To Improve  
graceful error  
Your Use Of C 11  
handling, and  
And C 14  
elegant*

*concurrency.*

*C++ supports*

*FP with*

*templates,*

*lambdas, and*

*other core*

*language*

*features, along*

Online Library  
Effective Modern  
C : 42 Specific  
*with many*  
Ways To Improve  
*parts of the*  
Your Use Of C 11  
*STL. About the*  
And C 14  
*Book*

*Functional  
Programming  
in C++ helps  
you unleash  
the functional  
side of your  
brain, as you  
gain a*

Online Library  
Effective Modern  
C : 42 Specific  
*powerful new*  
Ways To Improve  
*perspective on*  
Your Use Of C 11  
*C++ coding.*  
And C 14

*You'll discover  
dozens of  
examples,  
diagrams, and  
illustrations  
that break  
down the  
functional  
concepts you*

Online Library  
Effective Modern  
C : 42 Specific  
*can apply in*  
Ways To Improve  
*C++, including*  
Your Use Of C 11  
*lazy*  
And C 14.  
*evaluation,*  
*function*  
*objects and*  
*invokables,*  
*algebraic data*  
*types, and*  
*more. As you*  
*read, you'll*  
*match FP*

Online Library  
Effective Modern  
C : 42 Specific  
*techniques*  
Ways To Improve  
*with practical*  
Your Use Of C 11  
*scenarios*  
And C 14  
*where they*  
*offer the most*  
*benefit. What's*  
*inside Writing*  
*safer code*  
*with no*  
*performance*  
*penalties*  
*Explicitly*

Online Library  
Effective Modern  
C : 42 Specific  
*handling*  
Ways To Improve  
*errors through*  
Your Use Of C 11  
*the type*  
And C 14  
*system*

*Extending  
C++ with new  
control  
structures  
Composing  
tasks with  
DSLs About  
the Reader*



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Effective Modern  
C : 42 Specific  
*Written for*  
Ways To Improve  
*developers*  
Your Use Of C 11  
*with two or*  
And C 14  
*more years of*  
*experience*  
*coding in C++.*  
*About the*  
*Author Ivan*  
*Čukić is a core*  
*developer at*  
*KDE and has*  
*been coding in*

Online Library  
Effective Modern  
C++: 42 Specific  
*C++ since*  
Ways To Improve  
*1998. He*  
Your Use Of C++  
*teaches*  
And C++  
*modern C++*  
*and functional*  
*programming*  
*at the Faculty*  
*of*  
*Mathematics*  
*at the*  
*University of*  
*Belgrade.*

Online Library  
Effective Modern  
C : 42 Specific  
*Table of  
Contents*  
Ways To Improve  
Your Use Of C 11  
*Introduction*  
And C 14  
*to functional  
programming  
Getting  
started with  
functional  
programming  
Function  
objects  
Creating new*

Online Library  
Effective Modern  
C : 42 Specific  
*functions from*  
Ways To Improve  
*the old ones*  
Your Use Of C 11  
*Purity:*  
And C 14  
*Avoiding*  
*mutable state*  
*Lazy*  
*evaluation*  
*Ranges*  
*Functional*  
*data*  
*structures*  
*Algebraic data*

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*types and  
pattern  
matching  
Monads*

*Template meta  
programming  
Functional  
design for  
concurrent  
systems  
Testing and  
debugging*

Online Library  
Effective Modern  
C++: 42 Specific  
*Over 100*  
Ways To Improve  
*recipes to help*  
Your Use Of C++  
*you overcome*  
And C++  
*your*  
*difficulties*  
*with C++*  
*programming*  
*and gain a*  
*deeper*  
*understanding*  
*of the working*  
*of modern*

Online Library  
Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++14

*C++ About  
This Book  
Explore the  
most  
important  
language and  
library  
features of  
C++17,  
including  
containers,  
algorithms,*

Online Library  
Effective Modern  
C : 42 Specific  
*regular*  
Ways To Improve  
*expressions,*  
Your Use Of C<sup>11</sup>  
*threads, and*  
And C<sup>14</sup>  
*more, Get*  
*going with*  
*unit testing*  
*frameworks*  
*Boost.Test,*  
*Google Test*  
*and Catch,*  
*Extend your*  
*C++*



Online Library  
Effective Modern  
C : 42 Specific  
*knowledge and*  
Ways To Improve  
*take your*  
Your Use Of C 11  
*development*  
And C 14  
*skills to new*  
*heights by*  
*making your*  
*applications*  
*fast, robust,*  
*and scalable.*  
*Who This Book*  
*Is For If you*  
*want to*

Online Library  
Effective Modern  
C : 42 Specific  
*overcome*  
Ways To Improve  
*difficult*  
Your Use Of C 11  
*phases of*  
And C 14  
*development*  
*with C++ and*  
*leverage its*  
*features using*  
*modern*  
*programming*  
*practices, then*  
*this book is for*  
*you. The book*

Online Library  
Effective Modern  
C : 42 Specific  
*is designed for*  
Ways To Improve  
*both*  
Your Use Of C 11  
*experienced*  
And C 14  
**C++**

*programmers  
as well as  
people with  
strong  
knowledge of  
OOP concepts.  
What You Will  
Learn Get to*

Online Library  
Effective Modern  
C : 42 Specific  
*know about*  
Ways To Improve  
*the new core*  
Your Use Of C 11  
*language*  
And C 14  
*features and*  
*the problems*  
*they were*  
*intended to*  
*solve*  
*Understand*  
*the standard*  
*support for*  
*threading and*

Online Library  
Effective Modern  
C++ : 42 Specific  
*concurrency*  
Ways To Improve  
*and know how*  
Your Use Of C++ 11  
*to put them on*  
And C++ 14  
*work for daily*  
*basic tasks*  
*Leverage*  
*C++'s features*  
*to get*  
*increased*  
*robustness*  
*and*  
*performance*

Online Library  
Effective Modern  
C++: 42 Specific  
*Explore the*  
Ways To Improve  
*widely-used*  
Your Use Of C++  
*testing*  
And C++  
*frameworks*  
*for C++ and*  
*implement*  
*various useful*  
*patterns and*  
*idioms Work*  
*with various*  
*types of*  
*strings and*

Online Library  
Effective Modern  
C : 42 Specific  
*look at the*  
Ways To Improve  
*various*  
Your Use Of C 11  
*aspects of*  
And C 14  
*compilation*

*Explore*  
*functions and*  
*callable*  
*objects with a*  
*focus on*  
*modern*  
*features*  
*Leverage the*

Online Library  
Effective Modern  
C : 42 Specific  
*standard*  
Ways To Improve  
*library and*  
Your Use Of C 11  
*work with*  
And C 14  
*containers,*  
*algorithms,*  
*and iterators*  
*Use regular*  
*expressions*  
*for find and*  
*replace string*  
*operations*  
*Take*



Online Library  
Effective Modern  
C : 42 Specific  
*advantage of*  
Ways To Improve  
*the new*  
Your Use Of C 11  
*filesystem*  
And C 14  
*library to work*  
*with files and*  
*directories*  
*Use the new*  
*utility*  
*additions to*  
*the standard*  
*library to solve*  
*common*

Online Library  
Effective Modern  
C : 42 Specific  
*problems*  
Ways To Improve  
*developers*  
Your Use Of C 11  
*encounter*  
And C 14  
*including*  
*string\_view,*  
*any , optional*  
*and variant*  
*types In Detail*  
*C++ is one of*  
*the most*  
*widely used*  
*programming*

Online Library  
Effective Modern  
C : 42 Specific  
*languages.*  
Ways To Improve  
*Fast, efficient,*  
Your Use Of C 11  
*and flexible, it*  
And C 14  
*is used to*  
*solve many*  
*problems. The*  
*latest versions*  
*of C++ have*  
*seen*  
*programmers*  
*change the*  
*way they code,*

Online Library  
Effective Modern  
C : 42 Specific  
*giving up on*  
Ways To Improve  
*the old-*  
Your Use Of C.11  
*fashioned C-*  
And C 14  
*style*

*programming  
and adopting  
modern C++  
instead.*

*Beginning  
with the  
modern  
language*

Online Library  
Effective Modern  
C : 42 Specific  
*features, each*  
Ways To Improve  
*recipe*  
Your Use Of C 11  
*addresses a*  
And C 14  
*specific*

*problem, with  
a discussion  
that explains  
the solution  
and offers  
insight into  
how it works.  
You will learn*

Online Library  
Effective Modern  
C : 42 Specific  
*major*  
Ways To Improve  
*concepts*  
Your Use Of C 11  
*about the core*  
And C 14  
*programming*  
*language as*  
*well as*  
*common tasks*  
*faced while*  
*building a*  
*wide variety of*  
*software. You*  
*will learn*

Online Library  
Effective Modern  
C : 42 Specific  
*about*  
Ways To Improve  
*concepts such*  
Your Use Of C 11  
*as*  
And C 14  
*concurrency,*  
*performance,*  
*meta-*  
*programming,*  
*lambda*  
*expressions,*  
*regular*  
*expressions,*  
*testing, and*

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*many more in  
the form of  
recipes. These  
recipes will  
ensure you can  
make your  
applications  
robust and  
fast. By the  
end of the  
book, you will  
understand*



Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*the newer  
aspects of  
C++11/14/17  
and will be  
able to  
overcome  
tasks that are  
time-  
consuming or  
would break  
your stride  
while*

Online Library  
Effective Modern  
C : 42 Specific  
*developing.*  
Ways To Improve  
*Style and*  
Your Use Of C 11  
*approach This*  
And C 14  
*book follows a*  
*recipe-based*  
*approach, with*  
*examples that*  
*will empower*  
*you to*  
*implement the*  
*core*  
*programming*

Online Library  
Effective Modern  
C++ : 42 Specific  
*language*  
Ways To Improve  
*features and*  
Your Use Of C++ 11  
*explore the*  
And C++ 14  
*newer aspects*  
*of C++.*

*Effective*  
*Modern C++*  
*follows the*  
*proven guideli*  
*ne-based,*  
*example-*  
*driven format*

Online Library  
Effective Modern  
C : 42 Specific  
*of Scott*  
Ways To Improve  
*Meyers' earlier*  
Your Use Of C 11  
*books, but*  
And C 14  
*covers entirely*  
*new*  
*material."After*  
*I learned the*  
*C++ basics, I*  
*then learned*  
*how to use*  
*C++ in*  
*production*

Online Library  
Effective Modern  
C : 42 Specific  
*code from*  
Ways To Improve  
*Steven's series*  
Your Use Of C 11  
*of Effective*  
And C 14  
*C++ books.*

*Effective  
Modern C++ is  
the most  
important how-  
to book for  
advice on key  
guidelines,  
styles, and*

Online Library  
Effective Modern  
C : 42 Specific  
*idioms to use*  
Ways To Improve  
*modern C++*  
Your Use Of C 11  
*effectively and*  
And C 14  
*well. Don't*

*own it yet?*  
*Buy this one.*  
*Now".*

*As scientific*  
*and*  
*engineering*  
*projects grow*  
*larger and*

Online Library  
Effective Modern  
C : 42 Specific  
*more complex,*  
Ways To Improve  
*it is*  
Your Use Of C 11  
*increasingly*  
And C 14  
*likely that*  
*those projects*  
*will be written*  
*in C++. With*  
*embedded*  
*hardware*  
*growing more*  
*powerful,*  
*much of its*

Online Library  
Effective Modern  
C : 42 Specific  
*software is*  
Ways To Improve  
*moving to*  
Your Use Of C 11  
*C++, too.*  
And C 14.

*Mastering  
C++ gives you  
strong skills  
for  
programming  
at nearly every  
level, from  
“close to the  
hardware” to*



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C : 42 Specific  
*the highest-*  
Ways To Improve  
*level*  
Your Use Of C 11  
*abstractions.*  
And C 14

*In short, C++  
is a language  
that scientific  
and technical  
practitioners  
need to know.  
Peter*

*Gottschling's  
Discovering*

Online Library  
Effective Modern  
C : 42 Specific  
*Modern C++ is*  
Ways To Improve  
*an intensive*  
Your Use Of C 11  
*introduction*  
And C 14  
*that guides*  
*you smoothly*  
*to*  
*sophisticated*  
*approaches*  
*based on*  
*advanced*  
*features.*  
*Gottschling*

Online Library  
Effective Modern  
C : 42 Specific  
*introduces key*  
Ways To Improve  
*concepts using*  
Your Use Of C 11  
*examples from*  
And C 14  
*many*  
*technical*  
*problem*  
*domains,*  
*drawing on his*  
*extensive*  
*experience*  
*training*  
*professionals*

Online Library  
Effective Modern  
C : 42 Specific  
*and teaching*  
Ways To Improve  
*C++ to*  
Your Use Of C 11  
*students of*  
And C. 14  
*physics, math,*  
*and*  
*engineering.*  
*This book is*  
*designed to*  
*help you get*  
*started rapidly*  
*and then*  
*master*

Online Library  
Effective Modern  
C : 42 Specific  
*increasingly*  
Ways To Improve  
*robust*  
Your Use Of C 11  
*features, from*  
And C 14  
*lambdas to*  
*expression*  
*templates.*  
*You'll also*  
*learn how to*  
*take*  
*advantage of*  
*the powerful*  
*libraries*

Online Library  
Effective Modern  
C : 42 Specific  
*available to*  
Ways To Improve  
*C++*  
Your Use Of C 11  
*programmers:*  
And C 14  
*both the*  
*Standard*  
*Template*  
*Library (STL)*  
*and scientific*  
*libraries for*  
*arithmetic,*  
*linear algebra,*  
*differential*

Online Library  
Effective Modern  
C : 42 Specific  
*equations, and*  
Ways To Improve  
*graphs.*  
Your Use Of C 11  
*Throughout,*  
And C 14  
*Gottschling*  
*demonstrates*  
*how to write*  
*clear and*  
*expressive*  
*software using*  
*object*  
*orientation,*  
*generics, meta*

Online Library  
Effective Modern  
C : 42 Specific  
*programming,*  
Ways To Improve  
*and*  
Your Use Of C 11  
*procedural*  
And C 14  
*techniques. By*  
*the time*  
*you're*  
*finished, you'll*  
*have mastered*  
*all the*  
*abstractions*  
*you need to*  
*write C++*



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C++ : 42 Specific  
*programs with*  
Ways To Improve  
*exceptional*  
Your Use Of C++ 11  
*quality and*  
And C++ 14  
*performance.*

*"Coming to grips with C++11 and C++14 is more than a matter of familiarizing yourself with*

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Effective Modern  
C : 42 Specific  
*the features*  
Ways To Improve  
*they introduce*  
Your Use Of C 11  
*(e.g., auto type*  
And C 14  
*declarations,*  
*move*  
*semantics,*  
*lambda*  
*expressions,*  
*and*  
*concurrency*  
*support). The*  
*challenge is*

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C : 42 Specific  
*learning to use*  
Ways To Improve  
*those features*  
Your Use Of C 11  
*effectively --*  
And C 14  
*so that your*  
*software is*  
*correct,*  
*efficient,*  
*maintainable,*  
*and portable.*  
*That's where*  
*this practical*  
*book comes in.*

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Effective Modern  
C++: 42 Specific  
*It describes*  
Ways To Improve  
*how to write*  
Your Use Of C++ 11  
*truly great*  
And C++ 14  
*software using*  
*C++11 and*  
*C++14 -- i.e.*  
*using modern*  
*C++ ...*  
*Effective*  
*Modern C++*  
*follows the*  
*proven guideli*

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Effective Modern  
C : 42 Specific  
*ne-based,*  
Ways To Improve  
*example-*  
Your Use Of C 11  
*driven format*  
And C 14  
*of Scott*

*Meyers' earlier  
books, but  
covers entirely  
new material"-  
-Publisher's  
website.*

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bestseller has*

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*been updated*  
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*and revised to*  
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*cover all the*  
And C++ 14  
*latest changes*  
*to C++ 14 and*  
*17! C++*  
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*everything you*  
*need to write*

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*robust and*  
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*elegant*  
Your Use Of C 11  
*multithreaded*  
And C 14  
*applications in*  
*C++17.*

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*About the*  
Your Use Of C 11  
*Technology*  
And C 14  
*You choose*

*C++ when  
your  
applications  
need to run  
fast. Well-  
designed  
concurrency  
makes them*



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C : 42 Specific  
*go even faster.*  
Ways To Improve  
*C++ 17*  
Your Use Of C 11  
*delivers strong*  
And C 14  
*support for the*  
*multithreaded,*  
*multiprocessor*  
*programming*  
*required for*  
*fast graphic*  
*processing,*  
*machine*  
*learning, and*

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Effective Modern  
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*other perform*  
Ways To Improve  
*ance-sensitive*  
Your Use Of C 11  
*tasks. This*  
And C 14  
*exceptional*  
*book unpacks*  
*the features,*  
*patterns, and*  
*best practices*  
*of production-*  
*grade C++*  
*concurrency.*  
*About the*

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C++: 42 Specific  
*Book C++*  
Ways To Improve  
*Concurrency*  
Your Use Of C++  
*in Action,*  
And C++  
*Second Edition*  
*is the*  
*definitive*  
*guide to*  
*writing*  
*elegant*  
*multithreaded*  
*applications in*  
*C++. Updated*

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C : 42 Specific  
*for C++ 17, it*  
Ways To Improve  
*carefully*  
Your Use Of C 11  
*addresses*  
And C 14  
*every aspect of*  
*concurrent*  
*development,*  
*from starting*  
*new threads to*  
*designing fully*  
*functional*  
*multithreaded*  
*algorithms*

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C : 42 Specific  
*and data*  
Ways To Improve  
*structures.*  
Your Use Of C 11  
*Concurrency*  
And C 14  
*master*

*Anthony  
Williams  
presents  
examples and  
practical tasks  
in every  
chapter,  
including*

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C++ : 42 Specific  
*insights that*  
Ways To Improve  
*will delight*  
Your Use Of C++ 11  
*even the most*  
And C++ 14  
*experienced*  
*developer.*

*What's inside*  
*Full coverage*  
*of new C++ 17*  
*features*  
*Starting and*  
*managing*  
*threads*

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Effective Modern  
C : 42 Specific  
*Synchronizing*  
Ways To Improve  
*concurrent*  
Your Use Of C 11  
*operations*  
And C 14  
*Designing*  
*concurrent*  
*code*  
*Debugging*  
*multithreaded*  
*applications*  
*About the*  
*Reader*  
*Written for*

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Effective Modern  
C : 42 Specific  
*intermediate C*  
Ways To Improve  
*and C++*  
Your Use Of C 11  
*developers. No*  
And C 14  
*prior*  
*experience*  
*with*  
*concurrency*  
*required.*  
*About the*  
*Author*  
*Anthony*  
*Williams has*



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C : 42 Specific  
*been an active*  
Ways To Improve  
*member of the*  
Your Use Of C 11  
*BSI C++ Panel*  
And C 14  
*since 2001 and*  
*is the*  
*developer of*  
*the*  
*just::thread*  
*Pro extensions*  
*to the C++ 11*  
*thread library.*  
*Table of*

Online Library  
Effective Modern  
C: 42 Specific  
*Contents*  
Ways To Improve  
*Hello, world of*  
Your Use Of C 11  
*concurrency in*  
And C 14  
*C++!*

*Managing  
threads*

*Sharing data  
between  
threads*

*Synchronizing  
concurrent  
operations The*

Online Library  
Effective Modern  
C: 42 Specific  
C++ memory  
Ways To Improve  
model and  
Your Use Of C 11  
operations on  
And C 14  
atomic types

*Designing lock-  
based*

*concurrent  
data*

*structures*

*Designing lock-  
free*

*concurrent*

Online Library  
Effective Modern  
C : 42 Specific  
*data*  
Ways To Improve  
*structures*  
Your Use Of C 11  
*Designing*  
And C 14  
*concurrent*  
*code Advanced*  
*thread*  
*management*  
*Parallel*  
*algorithms*  
*Testing and*  
*debugging*  
*multithreaded*

Online Library  
Effective Modern  
C : 42 Specific  
*applications*  
Ways To Improve  
*"This is*  
Your Use Of C 11  
*Effective C++*  
And C 14  
*volume three -*  
*it's really that*  
*good." - Herb*  
*Sutter,*  
*independent*  
*consultant and*  
*secretary of*  
*the ISO/ANSI*  
*C++ standards*

Online Library  
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C : 42 Specific  
*committee*  
Ways To Improve  
*"There are*  
Your Use Of C 11  
*very few books*  
And C 14  
*which all C++*  
*programmers*  
*must have.*  
*Add Effective*  
*STL to that*  
*list." - Thomas*  
*Becker, Senior*  
*Software*  
*Engineer,*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*Zephyr  
Associates,  
Inc., and  
columnist,  
C/C++ Users  
Journal C++'s  
Standard  
Template  
Library is  
revolutionary,  
but learning to  
use it well has*

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Effective Modern  
C++ : 42 Specific  
*always been a*  
Ways To Improve  
*challenge.*  
Your Use Of C++  
*Until now. In*  
And C++  
*this book, best-*  
*selling author*  
*Scott Meyers (*  
*Effective C++ ,*  
*and More*  
*Effective C++*  
*) reveals the*  
*critical rules*  
*of thumb*



Online Library  
Effective Modern  
C : 42 Specific  
*employed by*  
Ways To Improve  
*the experts -*  
Your Use Of C.11  
*the things they*  
And C 14  
*almost always*  
*do or almost*  
*always avoid*  
*doing - to get*  
*the most out*  
*of the library.*  
*Other books*  
*describe*  
*what's in the*

Online Library  
Effective Modern  
C++: 42 Specific  
*STL. Effective*  
Ways To Improve  
*STL shows you*  
Your Use Of C++  
*how to use it.*  
And C++ 14  
*Each of the*  
*book's 50*  
*guidelines is*  
*backed by*  
*Meyers'*  
*legendary*  
*analysis and*  
*incisive*  
*examples, so*

Online Library  
Effective Modern  
C : 42 Specific  
*you'll learn*  
Ways To Improve  
*not only what*  
Your Use Of C 11  
*to do, but also*  
And C 14  
*when to do it -*

*and why.*

*Highlights of  
Effective STL  
include:*

*Advice on  
choosing  
among  
standard STL*

Online Library  
Effective Modern  
C : 42 Specific  
*containers*  
Ways To Improve  
*(like vector*  
Your Use Of C 11  
*and list)*,  
And C 14  
*nonstandard*  
*STL containers*  
*(like hash\_set*  
*and*  
*hash\_map)*,  
*and non-STL*  
*containers*  
*(like bitset).*  
*Techniques to*

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*maximize the  
efficiency of  
the STL and  
the programs  
that use it.  
Insights into  
the behavior of  
iterators,  
function  
objects, and  
allocators,  
including*

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*things you  
should not do.  
Guidance for  
the proper use  
of algorithms  
and member  
functions  
whose names  
are the same  
(e.g., find), but  
whose actions  
differ in subtle*

Online Library  
Effective Modern  
C : 42 Specific  
*(but*  
Ways To Improve  
*important)*  
Your Use Of C 11  
*ways.*  
And C 14

*Discussions of  
potential  
portability  
problems,  
including strai  
ghtforward  
ways to avoid  
them. Like  
Meyers'*

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Effective Modern  
C : 42 Specific  
*previous*  
Ways To Improve  
*books,*  
Your Use Of C 11  
*Effective STL*  
And C 14

*is filled with  
proven wisdom  
that comes  
only from  
experience. Its  
clear, concise,  
penetrating  
style makes it  
an essential*



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Effective Modern  
C : 42 Specific  
*resource for*  
Ways To Improve  
*every STL*  
Your Use Of C 11  
*programmer.*  
And C 14

**Beginning**  
**C++17**  
**52 Specific**  
**Ways to**  
**Improve Your**  
**iOS and OS X**  
**Programs**  
**Modern C**  
**C++**

Online Library  
Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++ 14

**Effective**  
**Modern C++**  
**55 Specific**  
**Ways to**  
**Improve Your**  
**Programs and**  
**Designs**

**Effective C**  
**50 Specific**  
**Ways to**  
**Improve Your**  
**Programs and**

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Effective Modern  
C++: 42 Specific  
**Designs**  
**Modern C++**  
**Programming**  
**Cookbook**  
**42 Specific**  
**Ways to**  
**Improve Your**  
**Use of C++11**  
**and C++14**  
**Effective C++**  
**Design**  
**Patterns in**

Online Library  
Effective Modern  
C++: 42 Specific  
Modern C++  
Ways To Improve  
Learn the  
Your Use Of C++  
basics of the  
And C++  
modern C++

programming  
language from  
scratch,  
including the  
C++11 to C++20  
standards, no  
experience  
necessary.

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Effective Modern  
C : 42 Specific  
You'll work  
Ways To Improve  
with  
Your Use Of C 11  
expressions  
And C 14  
and

statements,  
variables,  
libraries,  
arguments,  
classes,  
functions,  
memory  
handling, and

Online Library  
Effective Modern  
C : 42 Specific  
much more. Each  
Ways To Improve  
section is  
Your Use Of C 11  
filled with  
And C 14  
real-world  
examples and  
advice on how  
to avoid  
common  
mistakes.  
Modern C++ for  
Absolute  
Beginners will

Online Library  
Effective Modern  
C : 42 Specific  
teach you more  
Ways To Improve  
than just  
Your Use Of C 11  
programming in  
And C 14  
C++20. It will

provide you  
with a set of  
C++ skills,  
which will  
serve you if  
you ever  
decide to  
deepen your

Online Library  
Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

knowledge in  
C++, computer  
science, or  
learn more  
about advanced  
C++  
techniques.  
The author  
will take you  
through the  
C++  
programming



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language, the  
Ways To Improve  
Standard  
Your Use Of C 11  
Library, and  
And C 14,  
the C++11 to  
C++20 standard  
basics. Each  
chapter is  
accompanied by  
the right  
amount of  
theory and  
plenty of

Online Library  
Effective Modern  
C : 42 Specific  
source code  
Ways To Improve  
examples. You  
Your Use Of C 11  
will work with  
And C 14  
C++20 features  
and standards,  
yet you will  
also compare  
and take a  
look into  
previous  
versions of  
C++. You will

Online Library  
Effective Modern  
C : 42 Specific  
do so with  
Ways To Improve  
plenty of  
Your Use Of C 11  
examples and  
And C 14  
real code

writing to  
gain an even  
better level  
of  
understanding.  
What You Will  
Learn Use the  
basics of C++:

Online Library  
Effective Modern  
C : 42 Specific  
types,  
Ways To Improve  
operators,  
Your Use Of C 11  
variables,  
And C 14  
constants,  
expressions,  
references,  
functions,  
classes, I/O,  
smart  
pointers,  
polymorphism,  
and more Set

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C : 42 Specific  
up the Visual  
Ways To Improve  
Studio  
Your Use Of C 11  
development  
And C 14  
environment

where you can  
write your own  
code Declare  
and define  
functions,  
classes, and  
objects  
Discover objec

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C++ : 42 Specific  
Object-oriented  
Ways To Improve  
Programming:  
Your Use Of C++  
Classes and  
And C++  
Objects,  
encapsulation,  
inheritance,  
polymorphism,  
and more using  
the most  
advanced C++  
features  
Employ best

Online Library  
Effective Modern  
C : 42 Specific  
practices in  
Ways To Improve  
organizing  
Your Use Of C 11  
source code,  
And C 14  
controlling

program  
workflow, C++  
language dos  
and donts, and  
more Program  
using lambda,  
modules,  
inheritance,

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C : 42 Specific  
polymorphism,  
Ways To Improve  
smart  
Your Use Of C 11  
pointers,  
And C 14  
templates,  
contracts,  
STL, concepts,  
and exceptions  
Who This Book  
Is For  
Beginner or  
novice  
programmers



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Who wish to  
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learn C++  
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programming.  
And C 14  
No prior

programming  
experience is  
required.

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powerful C pro  
grams...without  
becoming a

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technical  
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expert! This  
Your Use Of C 11  
book is the  
And C 14  
fastest way to  
get  
comfortable  
with C, one  
incredibly  
clear and easy  
step at a  
time. You'll  
learn all the

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basics: how to  
Ways To Improve  
organize  
Your Use Of C 11  
programs,  
And C 14  
store and  
display data,  
work with  
variables,  
operators,  
I/O, pointers,  
arrays,  
functions, and  
much more. C

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programming  
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has never been  
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this simple!  
And C 14  
Who knew how  
simple C  
programming  
could be? This  
is today's  
best  
beginner's  
guide to  
writing C

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programs—and  
Ways To Improve  
to learning  
Your Use Of C 11  
skills you can  
And C 14  
use with

practically  
any language.  
Its simple,  
practical  
instructions  
will help you  
start creating  
useful,

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reliable C  
Ways To Improve  
code, from  
Your Use Of C 11  
games to  
And C 14  
mobile apps.

Plus, it's  
fully updated  
for the new  
C11 standard  
and today's  
free, open  
source tools!  
Here's a small

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sample of what  
Ways To Improve  
you'll learn:  
Your Use Of C 11  
• Discover  
And C 14  
free C

programming  
tools for  
Windows, OS X,  
or Linux •  
Understand the  
parts of a C  
program and  
how they fit

Online Library  
Effective Modern  
C : 42 Specific  
together •  
Ways To Improve  
Generate  
Your Use Of C 11  
output and  
And C 14  
display it on  
the screen •  
Interact with  
users and  
respond to  
their input •  
Make the most  
of variables  
by using



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C : 42 Specific  
assignments  
Ways To Improve  
and  
Your Use Of C 11  
expressions •  
And C 14  
Control

programs by  
testing data  
and using  
logical  
operators •  
Save time and  
effort by  
using loops

Online Library  
Effective Modern  
C : 42 Specific  
and other  
Ways To Improve  
techniques •  
Your Use Of C 11  
Build powerful  
And C 14  
data-entry  
routines with  
simple built-  
in functions •  
Manipulate  
text with  
strings •  
Store  
information,

Online Library  
Effective Modern  
C : 42 Specific  
so it's easy  
Ways To Improve  
to access and  
Your Use Of C 11  
use • Manage  
And C 14  
your data with  
arrays,  
pointers, and  
data  
structures •  
Use functions  
to make  
programs  
easier to

Online Library  
Effective Modern  
C : 42 Specific  
write and  
Ways To Improve  
maintain • Let  
Your Use Of C 11  
C handle all  
And C 14  
your program's  
math for you •  
Handle your  
computer's  
memory as  
efficiently as  
possible •  
Make programs  
more powerful

Online Library  
Effective Modern  
C : 42 Specific  
with  
Ways To Improve  
preprocessing  
Your Use Of C 11  
directives  
And C 14  
This new

edition  
reflects C++  
in its latest  
release, 3.0  
... and its  
new addition  
the template  
facility.

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C : 42 Specific  
Highlights  
Ways To Improve  
include object-  
Your Use Of C 11  
oriented  
And C 14  
design;

exception  
handling; and  
the difference  
between  
Release 2.0  
and 3.0.

What Every  
Professional

Online Library  
Effective Modern  
C++ : 42 Specific  
C++ Programmer  
Needs to  
Ways To Improve  
Your Use Of C++  
Know-Paradigm to  
And C++  
Its Essentials

So It Can Be  
Efficiently  
and Accurately  
Absorbed C++  
is a large,  
complex  
language, and  
learning it is

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C : 42 Specific  
never entirely  
Ways To Improve  
easy. But some  
Your Use Of C 11  
concepts and  
And C 14  
techniques

must be  
thoroughly  
mastered if  
programmers  
are ever to do  
professional-  
quality work.  
This book cuts



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through the  
Ways To Improve  
technical  
Your Use Of C 11  
details to  
And C 14  
reveal what is  
commonly  
understood to  
be absolutely  
essential. In  
one slim  
volume, Steve  
Dewhurst  
distills what

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C++ : 42 Specific  
The and other  
Ways To Improve  
experienced  
Your Use Of C++  
managers,  
And C++  
trainers, and  
authors have  
found to be  
the most  
critical  
knowledge  
required for  
successful C++  
programming.

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C : 42 Specific  
It doesn't  
Ways To Improve  
matter where  
Your Use Of C 11  
or when you  
And C 14  
first learned

C++. Before  
you take  
another step,  
use this book  
as your guide  
to make sure  
you've got it  
right! This

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Effective Modern  
C : 42 Specific  
book is for  
Ways To Improve  
you if You're  
Your Use Of C 11  
no "dummy,"  
And C 14  
and you need

to get quickly  
up to speed in  
intermediate  
to advanced  
C++ You've had  
some  
experience in  
C++

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programming,  
Ways To Improve  
but reading  
Your Use Of C 11  
intermediate  
And C 14  
and advanced

C++ books is  
slow-going  
You've had an  
introductory  
C++ course,  
but you've  
found that you  
still can't

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C : 42 Specific  
follow your  
Ways To Improve  
colleagues  
Your Use Of C 11  
when they're  
And C 14  
describing  
their C++  
designs and  
code You're an  
experienced C  
or Java  
programmer,  
but you don't  
yet have the

Online Library  
Effective Modern  
C : 42 Specific  
experience to  
Ways To Improve  
develop  
Your Use Of C 11  
nuanced C++  
And C 14  
code and

designs You're  
a C++ expert,  
and you're  
looking for an  
alternative to  
answering the  
same questions  
from your less-

Online Library  
Effective Modern  
C : 42 Specific  
experienced  
Ways To Improve  
colleagues  
Your Use Of C 11  
over and over  
And C 14  
again C++

Common  
Knowledge  
covers  
essential but  
commonly  
misunderstood  
topics in C++  
programming



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C : 42 Specific  
and design  
Ways To Improve  
while  
Your Use Of C 11  
filtering out  
And C 14  
needless

complexity in  
the discussion  
of each topic.  
What remains  
is a clear  
distillation  
of the  
essentials

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required for  
Ways To Improve  
production C++  
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programming,  
And C 14  
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the author's  
trademark  
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engaging  
style.

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recommend  
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to anyone who  
aspires to  
mastery of C++  
at the  
intermediate

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level or  
Ways To Improve  
above." – The  
Your Use Of C 11  
C/C++ User's  
And C 14  
Journal From  
the author of  
the  
indispensable  
Effective C++,  
here are 35  
new ways to  
improve your  
programs and

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Effective Modern  
C : 42 Specific  
designs.  
Ways To Improve  
Drawing on  
Your Use Of C 11  
years of  
And C 14  
experience,

Meyers

explains how  
to write  
software that  
is more  
effective:  
more  
efficient,

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C : 42 Specific  
more robust,  
Ways To Improve  
more  
Your Use Of C 11  
consistent,  
And C 14  
more portable,  
and more  
reusable. In  
short, how to  
write C++  
software  
that's just  
plain better.  
More Effective

Online Library  
Effective Modern  
C : 42 Specific  
C++ includes:  
Ways To Improve  
Proven methods  
Your Use Of C 11  
for improving  
And C 14  
program

efficiency,  
including  
incisive  
examinations  
of the  
time/space  
costs of C++  
language

Online Library  
Effective Modern  
C : 42 Specific  
features  
Ways To Improve  
Comprehensive  
Your Use Of C 11  
descriptions  
And C 14  
of advanced  
techniques  
used by C++  
experts,  
including  
placement new,  
virtual  
constructors,  
smart



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C : 42 Specific  
pointers,  
Ways To Improve  
reference  
Your Use Of C 11  
counting,  
And C 14  
proxy classes,  
and double-  
dispatching  
Examples of  
the profound  
impact of  
exception  
handling on  
the structure

Online Library  
Effective Modern  
C : 42 Specific  
and behavior  
Ways To Improve  
of C++ classes  
Your Use Of C 11  
and functions  
And C 14  
Practical

treatments of  
new language  
features,  
including  
bool, mutable,  
explicit,  
namespaces,  
member

Online Library  
Effective Modern  
C : 42 Specific  
templates, the  
Ways To Improve  
Standard  
Your Use Of C 11  
Template  
And C 14  
Library, and  
more. If your  
compilers  
don't yet  
support these  
features,  
Meyers shows  
you how to get  
the job done

Online Library  
Effective Modern  
C : 42 Specific  
without them.  
Ways To Improve  
More Effective  
Your Use Of C 11  
C++ is filled  
And C 14  
with

pragmatic,  
down-to-earth  
advice you'll  
use every day.  
Like Effective  
C++ before it,  
More Effective  
C++ is

Online Library  
Effective Modern  
C : 42 Specific  
essential  
Ways To Improve  
reading for  
Your Use Of C 11  
anyone working  
And C 14  
with C++.

Written by  
renowned  
author Robert  
Seacord,  
Effective C is  
an in-depth  
look at the C  
programming

Online Library  
Effective Modern  
C : 42 Specific  
language.  
Ways To Improve  
Seacord  
Your Use Of C 11  
introduces the  
And C 14  
language 's  
basic data  
types and code  
structures  
while  
simultaneously  
addressing  
best  
practices,

Online Library  
Effective Modern  
C : 42 Specific  
common errors,  
Ways To Improve  
and open  
Your Use Of C 11  
debates in the  
And C 14  
C community.

Readers will  
also learn how  
to debug,  
test, and  
analyze C  
programs and  
benefit from  
detailed yet

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Effective Modern  
C : 42 Specific  
concrete  
Ways To Improve  
explanations  
Your Use Of C 11  
of C language  
And C 14  
constructs and  
behaviors  
Using research  
in  
neurobiology,  
cognitive  
science and  
learning  
theory, this



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Effective Modern  
C : 42 Specific  
text loads  
Ways To Improve  
patterns into  
Your Use Of C 11  
your brain in  
And C 14  
a way that

lets you put  
them to work  
immediately,  
makes you  
better at  
solving  
software  
design

Online Library  
Effective Modern  
C : 42 Specific  
problems, and  
Ways To Improve  
improves your  
Your Use Of C 11  
ability to  
And C 14  
speak the

language of  
patterns with  
others on your  
team.

Presents a  
collection of  
tips for  
programmers on

Online Library  
Effective Modern  
C : 42 Specific  
ways to  
Ways To Improve  
improve  
Your Use Of C 11  
programming  
And C 14  
skills.

An Intensive  
Course for  
Scientists,  
Engineers, and  
Programmers  
C++ Templates  
Accelerated  
C++: Practical

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Effective Modern  
C : 42 Specific  
Programming By  
Ways To Improve  
Example  
Your Use Of C 11  
A Friendly  
And C 14  
Introduction  
to C+ Language  
and C+11 to  
C+20 Standards  
Large-Scale  
C++ Volume I  
Effective STL  
Generic  
Programming

Online Library  
Effective Modern  
C : 42 Specific  
and Design  
Ways To Improve  
Patterns  
Your Use Of C 11  
Applied  
And C 14  
Modern C++  
Design  
C++ High  
Performance  
50 Specific  
Ways to  
Improve Your  
Use of the  
Standard

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C++ : 42 Specific  
Template  
Library  
Essential  
Intermediate  
Programming  
C++ Syntax and  
Fundamentals

*C++ Sale price.  
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66% with this  
offer. Please  
hurry up!*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11,  
C++ 14) If you  
are a

programmer or  
looking to get  
into  
programming,  
you are probably  
wondering what  
C++11 and C++  
14 have to offer.  
You're probably

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14  
*wondering about  
their major  
differences and  
ultimately what it  
can do to help  
you code more  
effectively. This  
book is here to  
provide that  
information.  
C++11 and  
C++14 have  
made significant*



# Online Library Effective Modern C++: 42 Specific Ways To Improve Your Use Of C++ And C++14

*changes to improve not only a variety of libraries but also the core language. C++14 is the newest version of C++ which was released in August of 2014. Improvements in this version made*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*the language not only convenient to use but also safer. This guide will provide more than just information. This guide will provide information on how the language has changed, how you can use it and examples of*

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Effective Modern  
C++ : 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*Putting it all together in practice. This book will also provide details various problems and how to solve them from a C++11 and C++14 perspective. Use this book as your reference guide*

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Effective Modern  
C++ : 42 Specific  
Ways To Improve  
Your Use Of C++ 11

*for some of the  
major features  
within C++ 11  
and C++ 14. Here  
is a preview of  
what you'll learn:  
Multithreading  
support Generic  
programming  
support Uniform  
initialization  
Performance  
C++ Standard*

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"C++" by  
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++programming,  
C++  
programming  
language, HTML,

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*Javascript,*  
*Ways To Improve*  
*Your Use Of C 11*  
*Developers,*  
*Coding, CSS,*  
*Java, PHP, C++,*  
*Javascript, PHP,*  
*Python, Sql,*  
*HTML, Swift,*  
*C++, C*  
*Programming,*  
*Programming for*  
*beginners, c plus*  
*plus, PHP, Java,*

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Beginners, c  
primer plus, C  
Programming for  
Beginners, C++,  
C Programming,  
Programming for  
beginners, c plus  
plus, PHP, Java,  
C++  
Programming for  
Beginners, C

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++programming,  
Your Use Of C 11  
And C 14

programming  
language, HTML,  
Javascript,  
Programming,  
Developers,  
Coding, CSS,  
Java, PHP,  
hackers, hacking,  
how to hack,  
hacking exposed,



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*hacking system,*  
Ways To Improve  
*hacking 101,*  
Your Use Of C 11  
*hacking for*  
And C 14  
*dummies,*  
*Hacking Guide,*  
*Hacking*  
*Essentials,*  
*Computer Bugs,*  
*Security Breach,*  
*internet skills,*  
*hacking*  
*techniques,*  
*computer*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*Writing reliable and maintainable C++ software is hard. Designing such software at scale adds a new set of challenges. Creating large-scale systems*

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Effective Modern  
C : 42 Specific  
*requires a*  
Ways To Improve  
*practical*  
Your Use Of C 11  
*understanding of*  
And C 14  
*logical design -*  
*beyond the*  
*theoretical*  
*concepts*  
*addressed in*  
*most popular*  
*texts. To be*  
*successful on an*  
*enterprise scale,*  
*developers must*

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*also address  
physical design, a  
dimension of  
software*

*engineering that  
may be  
unfamiliar even  
to expert  
developers.*

*Drawing on over  
30 years of hands-  
on experience  
building massive,*

Online Library  
Effective Modern  
C : 42 Specific  
*mission-critical*  
Ways To Improve  
*enterprise*  
Your Use Of C 11  
*systems, John*  
And C 14  
*Lakos shows how*

*to create and  
grow Software  
Capital. This  
groundbreaking  
volume lays the  
foundation for  
projects of all  
sizes and  
demonstrates the*

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Effective Modern  
C++ : 42 Specific  
*processes,*  
Ways To Improve  
*methods,*  
Your Use Of C++  
*techniques, and*  
And C++  
*tools needed for*  
*successful real-*  
*world, large-scale*  
*development. Up*  
*to date and with*  
*a solid*  
*engineering*  
*focus, Large-*  
*Scale C++,*  
*Volume I: Process*

Online Library  
Effective Modern  
C : 42 Specific  
*and Architecture,*  
Ways To Improve  
*demonstrates*  
Your Use Of C 11  
*fundamental*  
And C 14  
*design concepts*  
*with concrete*  
*examples.*  
*Professional*  
*developers of all*  
*experience levels*  
*will gain insights*  
*that transform*  
*their approach to*  
*design and*

Online Library  
Effective Modern  
C : 42 Specific  
*development by*  
Ways To Improve  
*understanding*  
Your Use Of C 11  
*how to Raise*  
And C 14  
*productivity by*  
*leveraging*  
*differences*  
*between*  
*infrastructure*  
*and application*  
*development*  
*Achieve*  
*exponential*  
*productivity*



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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*gains through  
feedback and  
hierarchical  
reuse Embrace  
the component's  
role as the  
fundamental unit  
of both logical  
and physical  
design Analyze  
how fundamental  
properties of  
compiling and*

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Effective Modern  
C : 42 Specific  
linking affect  
component  
Ways To Improve  
design Discover  
Your Use Of C 11  
And C 14  
effective

partitioning of  
logical content in  
appropriately  
sized physical  
aggregates  
Internalize the  
important  
differences  
among sufficient,

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*complete,  
minimal, and  
primitive  
software Deliver  
solutions that  
simultaneously  
optimize  
encapsulation,  
stability, and  
performance  
Exploit the nine  
established  
levelization*

Online Library  
Effective Modern  
C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*techniques to  
avoid cyclic  
physical  
dependencies  
Use lateral  
designs  
judiciously to  
avoid the  
“heaviness” of  
conventional  
layered  
architectures  
Employ*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*appropriate  
architectural  
insulation  
techniques for  
eliminating  
compile-time  
coupling Master  
the  
multidimensional  
process of  
designing large  
systems using  
component-based*

Online Library  
Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++  
*methods This is  
the first of John  
Lakos's three  
authoritative  
volumes on  
developing large-  
scale systems  
using C++. This  
book, written for  
fellow software  
practitioners,  
uses familiar  
C++ constructs*

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Ways To Improve  
Your Use Of C 11  
And C 14

*to solve real-world problems while identifying (and motivating) modern C++ alternatives. Together with the forthcoming Volume II: Design and Implementation and Volume III: Verification and*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++11

*Testing, Large-Scale C++ offers comprehensive guidance for all aspects of large-scale C++ software development. If you are an architect or project leader, this book will empower you to*



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Ways To Improve  
Your Use Of C 11  
And C 14

*solve critically  
important  
problems right  
now - and serve  
as your go-to  
reference for  
years to come.  
Register your  
book for  
convenient  
access to  
downloads,  
updates, and/or*

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C++ : 42 Specific  
*corrections as*  
*they become*  
Ways To Improve  
Your Use Of C++ 11  
*available. See*  
And C++ 14  
*inside book for*  
*details.*

*Effective Modern  
C++ 42 Specific  
Ways to Improve  
Your Use of  
C++ 11 and  
C++ 14 O'Reilly  
Media  
C++ is a highly*

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C : 42 Specific  
*portable*  
Ways To Improve  
*language and can*  
Your Use Of C 11  
*be used to write*  
And C 14  
*both large-scale*  
*applications and*  
*performance-*  
*critical code. It*  
*has evolved over*  
*the last few years*  
*to become a*  
*modern and*  
*expressive*  
*language. This*

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Effective Modern  
C++ : 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*book will guide you through optimizing the performance of your C++ apps by allowing them to run faster and consume fewer resources on the ...*

*"After I learned the C++ basics, I then learned how*

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C++ : 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*to use C++ in  
production code  
from Easter's  
series of Effective  
C++ books.*

*Effective Modern  
C++ is the most  
important how-to  
book for advice  
on key  
guidelines, styles,  
and idioms to use  
modern C++*

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Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*effectively and well. Effective Modern C++ follows the proven guideline-based, example-driven format of David Easter's earlier books, but covers entirely new material. The challenge is learning to use*

Online Library  
Effective Modern  
C++: 42 Specific  
*those features*  
Ways To Improve  
*effectively-so that*  
Your Use Of C++ 11  
*your software is*  
And C++ 14  
*correct, efficient,*  
*maintainable, and*  
*portable. That's*  
*where this*  
*practical book*  
*comes in. It*  
*describes how to*  
*write truly great*  
*software using*  
*C++11 and*

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C : 42 Specific  
*C++14 i.e.*  
Ways To Improve  
Your Use Of C 11  
And C 14  
features

*exclusive  
interviews with  
the creators of  
several historic  
and highly  
influential  
programming  
languages. In this  
unique collection,*



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C : 42 Specific  
*you'll learn about*  
Ways To Improve  
*the processes*  
Your Use Of C 11  
*that led to*  
And C 14  
*specific design*  
*decisions,*  
*including the*  
*goals they had in*  
*mind, the trade-*  
*offs they had to*  
*make, and how*  
*their experiences*  
*have left an*  
*impact on*

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Ways To Improve  
Your Use Of C 11  
And C 14

*programming  
today.  
Masterminds of  
Programming  
includes  
individual  
interviews with:  
Adin D. Falkoff:  
APL Thomas E.  
Kurtz: BASIC  
Charles H.  
Moore: FORTH  
Robin Milner: ML*

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*Donald D.  
Chamberlin: SQL  
Your Use Of C 11  
Alfred Aho, Peter  
Weinberger, and  
Brian Kernighan:  
AWK Charles  
Geschke and John  
Warnock:  
PostScript Bjarne  
Stroustrup: C++  
Bertrand Meyer:  
Eiffel Brad Cox  
and Tom Love:*

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*Objective-C Larry  
Wall: Perl Simon  
Your Use Of C 11  
Peyton Jones,  
And C 14  
Paul Hudak,  
Philip Wadler,  
and John Hughes:  
Haskell Guido  
van Rossum:  
Python Luiz  
Henrique de  
Figueiredo and  
Roberto  
Ierusalimschy:*

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And C 14

*Lua James  
Gosling: Java  
Grady Booch,  
Ivar Jacobson,  
and James  
Rumbaugh: UML  
Anders  
Hejlsberg: Delphi  
inventor and lead  
developer of C#  
If you're  
interested in the  
people whose*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*vision and hard  
work helped  
shape the  
computer  
industry, you'll  
find Masterminds  
of Programming  
fascinating.*

*If you program in  
C++ you've been  
neglected. Test-  
driven  
development*

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C : 42 Specific  
*(TDD) is a*  
Ways To Improve  
*modern software*  
Your Use Of C 11  
*development*  
And C 14  
*practice that can*  
*dramatically*  
*reduce the*  
*number of*  
*defects in*  
*systems, produce*  
*more*  
*maintainable*  
*code, and give*  
*you the*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*confidence to  
change your  
software to meet  
changing needs.  
But C++  
programmers  
have been  
ignored by those  
promoting  
TDD--until now.  
In this book, Jeff  
Langr gives you  
hands-on lessons*



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Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*C++  
Programming  
With Test-Driven  
Development, the  
only  
comprehensive  
treatment on  
TDD in C++  
provides you with*

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C++ : 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*everything you need to know about TDD, and the challenges and benefits of implementing it in your C++ systems. Its many detailed code examples take you step-by-step from TDD basics to advanced*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*concepts. As a  
veteran C++  
programmer,  
you're already  
writing high-  
quality code, and  
you work hard to  
maintain code  
quality. It doesn't  
have to be that  
hard. In this  
book, you'll learn:  
how to use TDD*

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Effective Modern  
C++ : 42 Specific  
*to improve legacy*  
Ways To Improve  
*C++ systems*  
Your Use Of C++  
*how to identify*  
And C++  
*and deal with*  
*troublesome*  
*system*  
*dependencies*  
*how to do*  
*dependency*  
*injection, which*  
*is particularly*  
*tricky in C++*  
*how to use*

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Effective Modern  
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Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*testing tools for C++ that aid TDD new C++ 11 features that facilitate TDD As you grow in TDD mastery, you'll discover how to keep a massive C++ system from becoming a design mess over time, as well as*

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Ways To Improve  
Your Use Of C++  
And C++

*particular C++ trouble spots to avoid. You'll find out how to prevent your tests from being a maintenance burden and how to think in TDD without giving up your hard-won C++ skills. Finally, you'll see*

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C++ : 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*how to grow and sustain TDD in your team.*

*Whether you're a complete unit-testing novice or an experienced tester, this book will lead you to mastery of test-driven development in C++.* What You

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*Need A C++  
compiler running  
under Windows  
or Linux,  
preferably one  
that supports  
C++11.*

*Examples  
presented in the  
book were built  
under gcc 4.7.2.  
Google Mock 1.6  
(downloadable*



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Your Use Of C 11  
And C 14

*for free; it contains Google Test as well) or an alternate C++ unit testing tool. Most examples in the book are written for Google Mock, but it isn't difficult to translate them to your tool of choice. A good*

# Online Library Effective Modern C : 42 Specific Ways To Improve Your Use Of C 11 And C 14

*programmer's  
editor or IDE.  
cmake,  
preferably. Of  
course, you can  
use your own  
preferred make  
too.*

*CMakeLists.txt  
files are provided  
for each project.  
Examples  
provided were*

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C : 42 Specific  
*built using cmake*  
Ways To Improve  
*version 2.8.9.*  
Your Use Of C 11  
*Various freely-*  
And C 14 *available third-*  
*party libraries*  
*are used as the*  
*basis for*  
*examples in the*  
*book. These*  
*include: cURL*  
*JsonCpp Boost*  
*(filesystem, date\_*  
*time/gregorian,*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*algorithm, assign) Several examples use the boost headers/libraries. Only one example uses cURL and JsonCpp. Presents a collection of reusable design artifacts, called generic*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*components, together with the techniques that make them possible. The author describes techniques for policy-based design, partial template specialization, typelists, and local classes,*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*then goes on to  
implement  
generic  
components for  
smart pointers,  
object factories,  
functor objects,  
the Visitor design  
pattern, and  
multimethod  
engines. c. Book  
News Inc.*

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And C++  
C++  
The C++  
Programming  
Language  
C++ (plus Plus)  
Primer  
35 New Ways to  
Improve Your  
Programs and

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C : 42 Specific  
Designs  
Ways To Improve

Your Use Of C 11  
C++ Common  
And C14  
Knowledge

Conversations  
with the Creators  
of Major

Programming  
Languages

The Complete  
Guide

Boost and  
optimize the



Online Library  
Effective Modern  
C : 42 Specific  
[performance of  
your C++17 code](#)  
[Ways To Improve  
Your Use Of C 11](#)  
[Mastering C++  
Programming](#)

The C++11 standard allows programmers to express ideas more clearly, simply, and directly, and to write faster, more efficient code.

Bjarne Stroustrup, the designer and

Online Library  
Effective Modern  
C++: 42 Specific  
original  
Ways To Improve  
implementer of C++,  
Thoroughly covers  
Your Use Of C++  
And C++  
the details of this  
language and its  
use in his definitive  
reference, The C++  
Programming  
Language, Fourth  
Edition. In A Tour of  
C++ , Stroustrup  
excerpt the  
overview chapters  
from that complete

Online Library  
Effective Modern  
C++: 42 Specific  
reference,  
Ways To Improve  
expanding and  
Your Use Of C++  
enhancing them to  
And C++  
give an experienced  
programmer—in just  
a few hours—a clear  
idea of what  
constitutes modern  
C++. In this concise,  
self-contained  
guide, Stroustrup  
covers most major  
language features  
and the major

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C++: 42 Specific  
standard-library  
Ways To Improve  
components—not, of  
Your Use Of C++ 11  
course, in great  
And C++ 14  
depth, but to a level  
that gives  
programmers a  
meaningful  
overview of the  
language, some key  
examples, and  
practical help in  
getting started.  
Stroustrup presents  
the C++ features in

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14  
the context of the  
programming styles  
they support, such  
as object-oriented  
and generic  
programming. His  
tour is remarkably  
comprehensive.  
Coverage begins  
with the basics, then  
ranges widely  
through more  
advanced topics,  
including many that

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Ways To Improve  
Your Use Of C++11  
And C++14

are new in C++11,  
such as move  
semantics, uniform  
initialization, lambda  
expressions,  
improved  
containers, random  
numbers, and  
concurrency. The  
tour ends with a  
discussion of the  
design and  
evolution of C++  
and the extensions

# Online Library Effective Modern C : 42 Specific

added for C++11.

This guide does not  
aim to teach you

how to program

(see Stroustrup's  
Programming:  
Principles and

Practice Using C++  
for that); nor will it

be the only resource  
you'll need for C++  
mastery (see

Stroustrup's The  
C++ Programming

and C++11  
And C++14

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
11  
C or C++  
And C++  
programmer  
wanting greater  
familiarity with the  
current C++  
language, or a  
programmer versed  
in another language  
wishing to gain an  
accurate picture of  
the nature and



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Ways To Improve  
Your Use Of C++  
Introduction  
And C++  
this tour provides.  
Consistent, high-  
quality coding  
standards improve  
software quality,  
reduce time-to-  
market, promote  
teamwork, eliminate  
time wasted on  
inconsequential

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C++: 42 Specific  
matters, and  
simplify  
maintenance. Now,  
two of the world's  
most respected C++  
experts distill the  
rich collective  
experience of the  
global C++  
community into a  
set of coding  
standards that every  
developer and  
development team

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++11  
And C++14. The  
authors cover  
virtually every facet  
of C++  
programming:  
design and coding  
style, functions,  
operators, class  
design, inheritance,  
construction/destru  
ction, copying,

Online Library  
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C++: 42 Specific  
assignment,  
Namespaces,  
modules, templates,  
Your Use Of C++11,  
And C++14,  
genericity,  
exceptions, STL  
containers and  
algorithms, and  
more. Each  
standard is  
described  
concisely, with  
practical examples.  
From type definition  
to error handling,

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++14

this book presents  
C++ best practices,  
including some that  
have only recently  
been identified and  
standardized-  
techniques you may  
not know even if  
you've used C++ for  
years. Along the  
way, you'll find  
answers to  
questions like  
What's worth

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Your Use Of C++  
And C++14

standardizing--and  
what isn't? What are  
the best ways to  
code for scalability?  
What are the  
elements of a  
rational error  
handling policy?  
How (and why) do  
you avoid  
unnecessary  
initialization, cyclic,  
and definitional  
dependencies?

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Your Use Of C++  
And C++

When (and how) should you use static and dynamic polymorphism together? How do you practice "safe" overriding? When should you provide a no-fail swap? Why and how should you prevent exceptions from propagating across module boundaries? Why

# Online Library Effective Modern C++: 42 Specific Ways To Improve Your Use Of C++ 11 And C++ 14

shouldn't you write namespace declarations or directives in a header file? Why should you use STL vector and string instead of arrays? How do you choose the right STL search or sort algorithm? What rules should you follow to ensure type-safe code?



# Online Library Effective Modern C: 42 Specific Whether you're Working Alone or With Others, C++ Coding Standards Will Help You Write Cleaner Code--and Write It Faster, with Fewer Hassles and Less Frustration.

If you think  
"Modern" and "C"  
don't belong in the  
same sentence,  
think again. The C

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C : 42 Specific  
standards  
committee actively  
reviews and extends  
the language, with  
updated published  
C standards as  
recently as 2018. In  
Modern C, author  
Jens Gustedt  
teaches you the  
skills and features  
you need to write  
relevant programs  
in this tried-and-true

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C : 42 Specific  
language, including  
Linux and Windows,  
device drivers, web  
servers and  
browsers,  
smartphones, and  
much more! Modern  
C teaches you to  
take your C  
programming skills  
to new heights,  
whether you're just  
starting out with C  
or have more

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C : 42 Specific  
extensive  
experience.  
Ways To Improve  
Organized by level,  
Your Use Of C 11  
And C 11  
this comprehensive  
guide lets you jump  
in where it suits you  
best while still  
reaping the  
maximum benefits.  
Purchase of the  
print book includes  
a free eBook in PDF,  
Kindle, and ePub  
formats from

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C++: 42 Specific  
Manning  
Publications.  
Effective  
Your Use Of C++  
And C++

follows the  
confirmed guideline-  
based, example-  
driven structure of  
Scott Meyers'  
previously guides,  
but includes entirely  
new content. After I  
discovered the C++  
fundamentals, I then

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Effective Modern  
C++ 42 Specific  
discovered how to  
use C++ in  
ways to improve  
manufacturing rule  
from Meyer's group  
of Effective C++  
guides. Effective  
Contemporary C++  
is the most  
essential how-to  
guide for tips on key  
recommendations,  
designs, and idioms  
to use modern C++  
successfully and

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Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14  
well. Don't own it  
yet? Buy this  
one. Coming to  
holds with C++11  
and C++14 is more  
than a issue of  
familiarizing  
yourself with the  
options they  
present (e.g.,  
automatic kind  
conditions, shift  
semantics, lambda  
expression, and

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C : 42 Specific  
concurrency  
support). The task is  
Understanding how  
to use those  
And C 14  
functions effectively  
so that your  
application is  
appropriate,  
efficient,  
maintainable, and  
convenient. That's  
where this realistic  
guide comes in. It  
explains how to



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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++11  
i.e. using modern  
C++.

Effective C++ has  
been updated to  
reflect the latest  
ANSI/ISO standards.  
The author, a  
recognised  
authority on C++,  
shows readers fifty

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C : 42 Specific  
ways to improve  
their programs and  
designs  
Ways To Improve  
Your Use Of C 11  
And C 14

This book outlines the aims listed in the National Criteria for Modern Languages, which appears in all GCSE language syllabuses. It examines the changes these have brought about in

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C : 42 Specific  
course and lesson  
Ways To Improve  
planning and  
content, and the  
Your Use Of C 11  
teaching of the  
And C 14  
various language  
skills. Detailed  
descriptions of  
teaching techniques  
are provided and  
each chapter  
contains a further  
reading list to help  
both established  
and trainee teachers

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C++ : 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

review and develop  
their classroom  
practice  
Geared to  
experienced C++  
developers who  
may not be familiar  
with the more  
advanced features  
of the language, and  
therefore are not  
using it to its full  
capabilities Teaches  
programmers how

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++  
to think in C++-that  
is, how to design  
effective solutions  
that maximize the  
power of the  
language The  
authors drill down  
into this notoriously  
complex language,  
explaining poorly  
understood  
elements of the C++  
feature set as well  
as common pitfalls

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to avoid Contains  
Ways To Improve  
several in-depth  
case studies with  
working code that's  
been tested on  
Windows, Linux,  
and Solaris  
platforms  
Write Truly Great  
iOS and OS X Code  
with Objective-C 2.0!  
Effective Objective-  
C 2.0 will help you  
harness all of

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Effective Modern  
C++: 42 Specific  
Objective-C's  
Ways To Improve  
Your Use Of iOS 11  
And C++ 14  
code that works  
superbly well in  
production  
environments.  
Using the concise,  
scenario-driven  
style pioneered in  
Scott Meyers' best-  
selling Effective  
C++, Matt Galloway  
brings together 52

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C : 42 Specific  
Objective-C best  
practices, tips,  
shortcuts, and  
realistic code  
examples that are  
available nowhere  
else. Through real-  
world examples,  
Galloway uncovers  
little-known  
Objective-C quirks,  
pitfalls, and  
intricacies that  
powerfully impact



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code behavior and  
Ways To Improve  
performance. You'll  
learn how to choose  
Your Use Of C 14  
And C 14  
the most efficient  
and effective way to  
accomplish key  
tasks when multiple  
options exist, and  
how to write code  
that's easier to  
understand,  
maintain, and  
improve. Galloway  
goes far beyond the

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C : 42 Specific  
core language,  
Ways To Improve  
helping you  
Integrate and  
Your Use Of C 11  
Leverage key  
And C14  
Foundation  
framework classes  
and modern system  
libraries, such as  
Grand Central  
Dispatch. Coverage  
includes Optimizing  
interactions and  
relationships  
between Objective-

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C : 42 Specific  
C objects Mastering  
Ways To Improve  
Interface and API  
design: writing  
Your Use Of C 11  
classes that feel  
And C14  
“right at home”  
Using protocols and  
categories to write  
maintainable, bug-  
resistant code  
Avoiding memory  
leaks that can still  
occur even with  
Automatic  
Reference Counting

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(ARC) Writing  
Ways To Improve  
Your Use Of C 11  
And C 14

modular, powerful  
code with Blocks  
and Grand Central  
Dispatch  
Leveraging  
differences between  
Objective-C  
protocols and  
multiple inheritance  
in other languages  
Improving code by  
more effectively  
using arrays,

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C++ - 42 Specific  
dictionaries, and  
sets Uncovering  
surprising power in  
the Cocoa and  
Cocoa Touch  
frameworks

[Code Better, Sleep  
Better](#)

[Effective Objective-  
C 2.0](#)

[Effective Modern  
C++ - C++ 11, - C++  
14](#)

[Reusable](#)

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Effective Modern  
C++.  
101 Rules,  
Guidelines, and  
Best Practices  
Head First Design  
Patterns  
C++ Coding  
Standards  
C Programming  
Absolute Beginner's

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C++ 42 Specific  
[Guide](#)  
[Way To Improve](#)  
[Reference](#) Of C++ 11  
[A Tour of C++](#)  
[Functional](#)  
[Programming in C++](#)

*Take your C++  
coding to the  
next level by  
leveraging the  
latest features  
and advanced  
techniques to*

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C++ : 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14  
*building high performing, reliable applications.*

*About This Book*

*Get acquainted with the latest features in C++ 17 Take advantage of the myriad of features and possibilities that*



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C++ offers to  
Ways To Improve  
Your Use Of C 11  
And C 14  
build real-world  
applications Write  
clear and  
expressive code  
in C++, and get  
insights into how  
to keep your code  
error-free Who  
This Book Is For  
This book is for  
experienced C++  
developers. If you

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And C++  
*are a novice C++  
developer, then  
it's highly  
recommended  
that you get a  
solid  
understanding of  
the C++  
language before  
reading this book  
What You Will  
Learn Write  
modular C++*

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Your Use Of C++ 11  
And C++ 14

*applications in terms of the existing and newly introduced features Identify code-smells, clean up, and refactor legacy C++ applications Leverage the possibilities provided by Cucumber and*

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C : 42 Specific  
*Google Test/Mock*  
Ways To Improve  
Your Use Of C 11  
*cases Test*  
And C 14  
*frameworks with*  
C++ Get  
*acquainted with*  
*the new C++17*  
*features Develop*  
*GUI applications*  
*in C++ Build*  
*portable cross-*  
*platform*  
*applications using*

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C++: 42 Specific  
standard C++  
Ways To Improve  
Your Use Of C++  
C++ has come a  
long way and has  
And C++ 14  
now been  
adopted in  
several contexts.  
Its key strengths  
are its software  
infrastructure and  
resource-  
constrained  
applications. The

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*C++ 17 release will change the way developers write code, and this book will help you master your developing skills with C++. With real-world, practical examples explaining each concept, the book*

# Online Library Effective Modern C : 42 Specific Ways To Improve Your Use Of C 11 And C 14

*will begin by introducing you to the latest features in C++ 17. It encourages clean code practices in C++ in general, and demonstrates the GUI app-development options in C++. You'll get tips on*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14  
*avoiding memory  
leaks using smart-  
pointers. Next,  
you'll see how  
multi-threaded  
programming can  
help you achieve  
concurrency in  
your applications.  
Moving on, you'll  
get an in-depth  
understanding of  
the C++*



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C++: 42 Specific  
*Standard*  
*Ways To Improve*  
*Your Use Of C++*  
*And C++*  
*concepts of*  
*implementing*  
*TDD and BDD in*  
*your C++*  
*programs, and*  
*explore template-*  
*based generic*  
*programming,*  
*giving you the*  
*expertise to build*

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Ways To Improve  
Your Use Of C 11  
And C 14

*powerful applications. Finally, we'll round up with debugging techniques and best practices. By the end of the book, you'll have an in-depth understanding of the language and its various facets.*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*Style and approach This straightforward guide will help you level up your skills in C++ programming, be it for enterprise software or for low-latency applications like games. Filled with real-world,*

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C : 42 Specific

*practical  
examples, this  
book will take you  
gradually up the  
steep learning  
curve that is  
C++.*

*Presents a  
collection of tips  
for programmers  
on how to use the  
features of  
C++11 and*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*effectively,  
covering such  
topics as  
functions, rvalue  
references, and  
lambda  
expressions.*

*Thought-  
provoking and  
accessible in  
approach, this  
updated and*

**Online Library**  
**Effective Modern**  
**C : 42 Specific**  
*expanded second*  
**Ways To Improve**  
*edition of the*  
**Your Use Of C 11**  
*Effective Modern*  
**And C 14**  
*C++: 42 Specific*  
*Ways to Improve*  
*Your Use of*  
*C++11 and*  
*C++14 provides*  
*a user-friendly*  
*introduction to*  
*the subject,*  
*Taking a clear*  
*structural*

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*framework, it*  
Ways To Improve  
*guides the reader*  
Your Use Of C 11  
*through the*  
And C 14  
*subject's core*  
*elements. A*  
*flowing writing*  
*style combines*  
*with the use of*  
*illustrations and*  
*diagrams*  
*throughout the*  
*text to ensure the*  
*reader*

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Ways To Improve

Your Use Of C 11

And C 14

*understands even the most complex of concepts. This succinct and enlightening overview is a required reading for advanced graduate-level students. We hope you find this book useful in shaping your*



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Your Use Of C++  
And C++14

*future career.  
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publications to  
info@risepress.p  
w Rise Press  
Apply modern  
C++17 to the  
implementations  
of classic design  
patterns. As well  
as covering*

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C : 42 Specific  
*traditional design  
patterns, this  
book fleshes out  
new patterns and  
approaches that  
will be useful to  
C++ developers.  
The author  
presents  
concepts as a fun  
investigation of  
how problems  
can be solved in*

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Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*different ways,  
along the way  
using varying  
degrees of  
technical  
sophistication and  
explaining  
different sorts of  
trade-offs. Design  
Patterns in  
Modern C++ also  
provides a  
technology demo*

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*for modern C++, showcasing how some of its latest features (e.g., coroutines) make difficult problems a lot easier to solve. The examples in this book are all suitable for putting into production, with*

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Ways To Improve  
Your Use Of C++  
And C++

*only a few  
simplifications  
made in order to  
aid readability.  
What You Will  
Learn Apply  
design patterns  
to modern C++  
programming Use  
creational  
patterns of  
builder, factories,  
prototype and*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++

*singleton  
Implement  
structural  
patterns such as  
adapter, bridge,  
decorator, facade  
and more Work  
with the  
behavioral  
patterns such as  
chain of  
responsibility,  
command,*

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Effective Modern  
C : 42 Specific  
*iterator, mediator  
and more Apply  
Your Use Of C 11  
And C 14  
Monad and more  
Who This Book Is  
For Those with at  
least some prior  
programming  
experience,  
especially in  
C++.*

*Learn how to*

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C : 42 Specific  
Ways To Improve  
Your Use Of C 11  
And C 14

*program using  
the updated  
C++17 language.  
You'll start with  
the basics and  
progress through  
step-by-step  
examples to  
become a  
working C++  
programmer. All  
you need are  
Beginning C++17*



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C : 42 Specific  
*and any recent*  
Ways To Improve  
*C++ compiler*  
Your Use Of C 11  
*and you'll soon be*  
And C 14  
*writing real C++*  
*programs. There*  
*is no assumption*  
*of prior*  
*programming*  
*knowledge. All*  
*language*  
*concepts that are*  
*explained in the*  
*book are*

**Online Library**  
**Effective Modern**  
**C : 42 Specific**  
*illustrated with*  
**Ways To Improve**  
*working program*  
**Your Use Of C 11**  
*examples, and all*  
**And C 14**  
*chapters include*  
*exercises for you*  
*to test and*  
*practice your*  
*knowledge. Code*  
*downloads are*  
*provided for all*  
*examples from*  
*the text and*  
*solutions to the*

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Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++ 11  
And C++ 14

*exercises. This latest edition has been fully updated to the latest version of the language, C++17, and to all conventions and best practices of so-called modern C++. Beginning C++17 also introduces the*

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**C++ : 42 Specific**  
*elements of the*  
**Ways To Improve**  
*C++ Standard*  
**Your Use Of C++ 11**  
*Library that*  
**And C++14**  
*provide essential*  
*support for the*  
*C++17 language.*  
*What You'll Learn*  
*Define variables*  
*and make*  
*decisions Work*  
*with arrays and*  
*loops, pointers*  
*and references,*

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C++: 42 Specific

*strings, and more*

*Ways To Improve*

*Your Use Of C++*

*functions, types,*

*and operators*

*And C++*

*Discover the*

*essentials of*

*object-oriented*

*programming Use*

*overloading,*

*inheritance,*

*virtual functions*

*and*

*polymorphism*

*and*

*and*

*polymorphism*

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C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++11

*Write generic  
function  
templates and  
class templates  
Get up to date  
with modern C++  
features: auto  
type declarations,  
move semantics,  
lambda  
expressions, and  
more Examine  
the new additions*

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Effective Modern  
C++: 42 Specific  
Ways To Improve  
Your Use Of C++  
And C++14

*to C++17 Who  
This Book Is For  
Programmers  
new to C++ and  
those who may  
be looking for a  
refresh primer on  
the C++17  
programming  
language in  
general.*

*C++ is a complex  
language with*

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*many subtle facets. This is especially true when it comes to object-oriented and template programming. The C++ Pocket Reference is a memory aid for C++ programmers, enabling them to*



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*quickly look up  
usage and syntax  
for unfamiliar and  
infrequently used  
aspects of the  
language. The  
book's small size  
makes it easy to  
carry about,  
ensuring that it  
will always be at-  
hand when  
needed.*

# Online Library Effective Modern C : 42 Specific

*Programmers will  
also appreciate  
the book's  
brevity, as much*

*information as  
possible has been  
crammed into its  
small pages. In  
the C++ Pocket  
Reference, you  
will find:*

*Information on  
C++ types and*

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**Your Use Of C++**  
**And C++**

*type conversions*  
*Syntax for C++*  
*statements and*  
*preprocessor*  
*directives Help*  
*declaring and*  
*defining classes,*  
*and managing*  
*inheritance*  
*Information on*  
*declarations,*  
*storage classes,*  
*arrays, pointers,*

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*strings, and*  
Ways To Improve  
*expressions*  
Your Use Of C++  
*Refreshers on key*  
And C++  
*concepts of C++*  
*such as*  
*namespaces and*  
*scope More! C++*  
*Pocket Reference*  
*is useful to Java*  
*and C*  
*programmers*  
*making the*  
*transition to C++,*

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*or who find themselves occasionally programming in C++. The three languages are often confusingly similar. This book enables programmers familiar with C or Java to quickly come up to speed*

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*on how a particular construct or concept is implemented in C++. Together with its companion STL Pocket Reference, the C++ Pocket Reference forms one of the most concise, easily-*

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*carried, quick-*  
Ways To Improve  
*references to the*  
Your Use Of C 11  
*C++ language*  
And C 14.  
*available.*

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