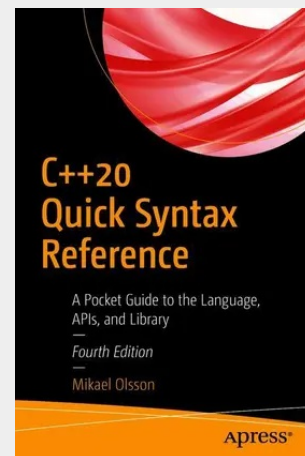


Olsson

C++20 Quick Syntax Reference

A Pocket Guide to the Language, APIs, and Library

This quick C++ 20 guide is a condensed code and syntax reference to the popular programming language, fully updated for C++20. It presents the essential C++20 code syntax in a well-organized format that can be used as a handy reference. This edition covers topics including designated initializers, lambdas and lambda captures, the spaceship operator, pack expressions, string literals as template parameters, atomic smart pointers, and contracts. It also covers library changes including extended futures, latches and barriers, task blocks, and text formatting. In the C++20 Quick Syntax Reference, you will find short, simple, and focused code examples. This book includes a well-laid-out table of contents and a comprehensive index allowing for easy review. You won't find any technical jargon, bloated samples, drawn out history lessons, or witty stories in this book. What you will find is a language reference that is concise, to the point, and highly accessible. The book is packed with useful information and is a must-have for any C++ programmer. What You'll LearnDiscover the key C++20 featuresWork with concepts to constrain template argumentsUse modules as a replacement for header filesTake advantage of the three-way comparison operatorCreate immediate functions using the consteval keywordMake use of constexpr, constexpr and designated initializersWho This Book Is For Experienced C++ programmers. Additionally, this is a concise, easily-digested introduction for other programmers new to C++.



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