C++ 2017 学习笔记

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2017年3月20日

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Chapter 1

C++ 2017 新特性

1.1 基本语言更新

- 1.1.1 New auto rules for direct-list-initialization
- 1.1.2 static_assert with no message
- 1.1.3 typename in a template template parameter
- 1.1.4 Removing trigraphs
- 1.1.5 Nested namespace definition
- 1.1.6 Attributes for namespaces and enumerators
- 1.1.7 u8 character literals
- 1.1.8 Allow constant evaluation for all non-type template arguments
- 1.1.9 Fold Expressions
- 1.1.10 Unary fold expressions and empty parameter packs
- 1.1.11 Remove Deprecated Use of the register Keyword
- 1.1.12 Remove Deprecated operator++(bool)
- 1.1.13 Removing Deprecated Exception Specifications from C++17
- 1.1.14 Make exception specifications part of the type system
- 1.1.15 Aggregate initialization of classes with base classes
- 1.1.16 Lambda capture of *this
- 1.1.17 Using attribute namespaces without repetition
- 1.1.18 Dynamic memory allocation for over-aligned data