

C++ Programming Basics

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1 I/O with `iostream`

1.1 `std::cout`

1.2 `std::cin`

2 Functions

2.1 Introduction to Functions

2.1.1 `return` Keyword

2.2 Function Overloading

2.3 Scope

2.3.1 Defining a Scope

2.3.2 Types of Scope

3 Conditions and Branches

3.1 Boolean Statements

3.1.1 `bool()` Casts

3.1.2 Comparison Operators `==`, `!=`, `<`, `<=`, `>`, `>=`

3.1.3 Logical Operators `!`, `&&`, `——`

3.2 `if` Statements

3.3 `switch` Statements

3.4 Ternary Operator (`? :`)

4 Loops

4.1 `while` Loops

4.1.1 `do while` Loops

4.2 `for` Loops

4.3 Control Flow Statements

4.3.1 `break` Keyword

4.3.2 `continue` Keyword