C++ Programming: Step by Step

Editors

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5. **Logical Operators and Switch Statements**

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**Abstract**

Before talking about logical operators, we need to know what a Boolean data type is. A Boolean value is one that can be either true or false. The three basic Boolean operations are “AND”, “OR” and “NOT”. Each operation takes either one or two Boolean inputs, and returns a Boolean output. Most programming languages make use of Booleans, usually called “boolean” or “bool”.

**5.1 Logical operators**

Logical Operators work with Boolean values or results of relational operations. Logical operators are: **AND (&&)**, **OR (||)**, and **NOT (!)**. For each of this operation you can obtain a **truth table**. The table 5.1 shows some of the results of Boolean and relational operators.

**Table 5.1: Boolean and logical operators**

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