More Comparison Operators

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We can combine two comparisons using the “and” operator.

The symbol for “and” operator is &&.

Syntax for a Boolean Expression using &&

(comparison_1) && (comparison_2)

The Boolean expression is true only if both comparisons are true.
Example: With an *if – else* Statement

```cpp
If((score > 0) && (score < 10))
    cout << "The score is between 0 and 10 \n";
else
    cout << "The score is not between 0 and 10 \n";
```
The “or” Operator ||

• We can also combine two comparisons using the “or” operator.
• The symbol for “or” operator is ||
• Syntax for a Boolean Expression using ||

\[(\text{comparison}_1) \text{ || } (\text{comparison}_2)\]

• The Boolean expression is true if one or both of the comparisons are true.
Example: With an *if – else* Statement

```cpp
If ( (x == 1) || (x == y) )
    cout << “x is 1 or x equals y.\n”;
else
    cout << “x is neither 1 nor equal to y. \n”;```