More Comparison Operators

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The "and" Operator &&

- 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

  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 ||

  (comparison_1) || (comparison_2)

- The Boolean expression is true if one or both of the comparisons are true.

- Example: With an *if – else* Statement

```
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";
```