

Compound Comparisons

Other Operators

- Sometimes a simple comparison is not enough to determine if our criteria has been met.
- For example:
 - If a person wants to login to Facebook, the user name and the password both need to match.
- Another example:
 - For a person wants to watch a rated R movie, the person needs to be over 18 or guardian needs to be present.
- Yet another example:
 - A person is not on the authorized list of users, abort.

The And Operator

- The 'and' operator in C++ is denoted with the double & ampersand sign.
 - &&
- Example of usage:
 - if (age > 0 && age < 120)
 - //proceed with age conversion

The Or Operator

- The 'or' operator in C++ is denoted with the double | pipe symbol.
 - ||
 - Pipe key is usually located above the enter key
- Example of usage:

```
if ( age < 0 || age > 120 )  
    //that is not a valid age
```

The Not Operator

- The 'not' operator in C++ is denoted with the ! exclamation symbol.
 - !
 - Same symbol as the ! in !=
- Example of usage:
if (! (number % 2 == 0))
 //do something for odd numbers