

Conditional Statements:

Declare a variable with the Boolean data type when it should have a true or false value

```
Boolean isLeapYear = true;
```

Negation operator !

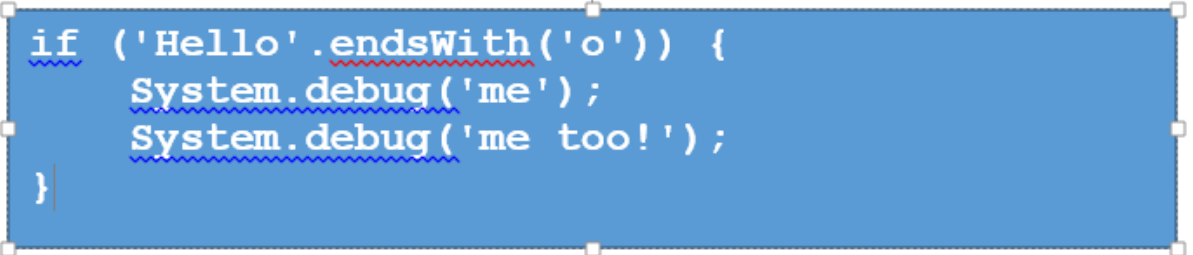
The negation operator ! returns true if its argument is false, and vice versa. The && operator returns a logical AND, and the || operator a logical OR. For example, all of these statements evaluate to false:

```
Boolean iAmFalse = !true;  
Boolean iAmFalse2 = iAmFalse && true;  
Boolean iAmFalse3 = iAmFalse || false;
```

Use the if statement to execute logic conditionally, depending on the value of a Boolean:

```
Boolean isLeapYear = true;  
if (isLeapYear) {  
    System.debug ('Its a leap year!');  
} else {  
    System.debug ('Not a leap year.');  
}
```

In the previous example, the else part is optional. The blocks, the statements within the curly braces, can contain any number of statements that are executed when the condition is met. For example, this will generate the output of the two debug statements:



```
if ('Hello'.endsWith('o')) {  
    System.debug('me');  
    System.debug('me too!');  
}
```