

# Logical Operators

<i>Logical Operators</i>	
<b>AND</b> A && B are true only if <u>both</u> A and B are true	<b>&amp;&amp;</b>
<b>OR</b> A    B are true if A is true <u>or</u> B is true <u>or</u> they're both true	<b>  </b>
<b>NOT</b> !A is the <u>opposite</u> of A. If A is true, then !A is <u>false</u> . If A is false, !A is <u>true</u> .	<b>!</b>

The double ampersand **&&** and double pipe **||** are called “*short circuit*” logical operators

## AND Operator

TRUE	&&	TRUE	TRUE
TRUE	&&	FALSE	FALSE
FALSE	&&	TRUE	FALSE

## OR Operator

TRUE		TRUE	TRUE
TRUE		FALSE	TRUE
FALSE		TRUE	TRUE
FALSE		FALSE	FALSE