

Operator	Meaning	Effect
& &	AND	Connects two expressions into one. Both expressions must be true for the overall expression to be true.
	OR	Connects two expressions into one. One or both expressions must be true for the overall expression to be true. It is only necessary for one to be true, and it does not matter which.
!	NOT	The ! operator reverses the "truth" of an expression. It makes a true expression false, and a false expression true.

Logical Operators:

1.) AND operators table

Expression	Value (T/F)
false && true	false
true && true	true
false && false	false
true && false	false

2.) OR operators table

Expression	Value (T/F)
true false	true
false true	true
false false	false
true true	true

3.) NOT operator

Expression	Value of the Expression
!true	false (0)
!false	true (1)

4.) Logical operator in Order of Precedence

Logical Operators in Order of Precedence
!
& &