&&

[Boolean Operators]

Description

**Logical AND** results in true **only** if both operands are true.

Example Code

This operator can be used inside the condition of an [if](https://www.arduino.cc/reference/en/language/structure/control-structure/if) statement.

if (digitalRead(2) == HIGH && digitalRead(3) == HIGH) { // if BOTH the switches read HIGH

// statements

}

Notes and Warnings

Make sure you don’t mistake the boolean AND operator, && (double ampersand) for the bitwise AND operator & (single ampersand). They are entirely different beasts.