bitWrite()

[Bits and Bytes]

Description

Writes a bit of a numeric variable.

Syntax

bitWrite(x, n, b)

Parameters

x: the numeric variable to which to write.  
n: which bit of the number to write, starting at 0 for the least-significant (rightmost) bit.  
b: the value to write to the bit (0 or 1).

Returns

Nothing

Example Code

Demonstrates the use of bitWrite by printing the value of a variable to the Serial Monitor before and after the use of bitWrite().

void setup() {

Serial.begin(9600);

while (!Serial) {} // wait for serial port to connect. Needed for native USB port only

byte x = 0b10000000; // the 0b prefix indicates a binary constant

Serial.println(x, BIN); // 10000000

bitWrite(x, 0, 1); // write 1 to the least significant bit of x

Serial.println(x, BIN); // 10000001

}

void loop() {}