bitClear()

[Bits and Bytes]

Description

Clears (writes a 0 to) a bit of a numeric variable.

Syntax

bitClear(x, n)

Parameters

x: the numeric variable whose bit to clear.  
n: which bit to clear, starting at 0 for the least-significant (rightmost) bit.

Returns

x: the value of the numeric variable after the bit at position n is cleared.

Example Code

Prints the output of bitClear(x,n) on two given integers. The binary representation of 6 is 0110, so when n=1, the second bit from the right is set to 0. After this we are left with 0100 in binary, so 4 is returned.

void setup() {

Serial.begin(9600);

while (!Serial) {

; // wait for serial port to connect. Needed for native USB port only

}

int x = 6;

int n = 1;

Serial.print(bitClear(x, n)); // print the output of bitClear(x,n)

}

void loop() {

}