break

[Control Structure]

Description

break is used to exit from a [for](https://www.arduino.cc/reference/en/language/structure/control-structure/for), [while](https://www.arduino.cc/reference/en/language/structure/control-structure/while) or [do…​while](https://www.arduino.cc/reference/en/language/structure/control-structure/dowhile) loop, bypassing the normal loop condition. It is also used to exit from a [switch case](https://www.arduino.cc/reference/en/language/structure/control-structure/switchcase) statement.

Example Code

In the following code, the control exits the [for](https://www.arduino.cc/reference/en/language/structure/control-structure/for) loop when the sensor value exceeds the threshold.

int threshold = 40;

for (int x = 0; x < 255; x++) {

analogWrite(PWMpin, x);

sens = analogRead(sensorPin);

if (sens > threshold) { // bail out on sensor detect

x = 0;

break;

}

delay(50);

}