do...while

[Control Structure]

Description

The do…​while loop works in the same manner as the [while](https://www.arduino.cc/reference/en/language/structure/control-structure/while) loop, with the exception that the condition is tested at the end of the loop, so the do loop will always run at least once.

Syntax

do {

// statement block

} while (condition);

Parameters

condition: a boolean expression that evaluates to [true](https://www.arduino.cc/reference/en/language/variables/constants/constants) or [false](https://www.arduino.cc/reference/en/language/variables/constants/constants).

Example Code

int x = 0;

do {

delay(50); // wait for sensors to stabilize

x = readSensors(); // check the sensors

} while (x < 100);