pinMode()

[Digital I/O]

Description

Configures the specified pin to behave either as an input or an output. See the [Digital Pins](http://arduino.cc/en/Tutorial/DigitalPins) page for details on the functionality of the pins.

As of Arduino 1.0.1, it is possible to enable the internal pullup resistors with the mode INPUT\_PULLUP. Additionally, the INPUT mode explicitly disables the internal pullups.

Syntax

pinMode(pin, mode)

Parameters

pin: the Arduino pin number to set the mode of.  
mode: INPUT, OUTPUT, or INPUT\_PULLUP. See the [Digital Pins](http://arduino.cc/en/Tutorial/DigitalPins) page for a more complete description of the functionality.

Returns

Nothing

Example Code

The code makes the digital pin 13 OUTPUT and Toggles it HIGH and LOW

void setup() {

pinMode(13, OUTPUT); // sets the digital pin 13 as output

}

void loop() {

digitalWrite(13, HIGH); // sets the digital pin 13 on

delay(1000); // waits for a second

digitalWrite(13, LOW); // sets the digital pin 13 off

delay(1000); // waits for a second

}

Notes and Warnings

The analog input pins can be used as digital pins, referred to as A0, A1, etc.