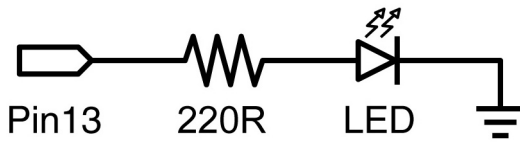


## digital output



This is the basic 'hello world' program used to simply turn something on or off. In this example, an LED is connected to pin13, and is blinked every second. The resistor may be omitted on this pin since the Arduino has one built in.

```
int ledPin = 13;           // LED on digital pin 13

void setup()               // run once
{
  pinMode(ledPin, OUTPUT); // sets pin 13 as output
}

void loop()                // run over and over again
{
  digitalWrite(ledPin, HIGH); // turns the LED on
  delay(1000);                 // pauses for 1 second
  digitalWrite(ledPin, LOW);  // turns the LED off
  delay(1000);                 // pauses for 1 second
}
```