

## Circuit #1: Blinking an LED

### Code:

```
int ledPin = 13;

void setup() {
  pinMode(ledPin, OUTPUT);
}

void loop() {
  digitalWrite(ledPin, HIGH); //LED on
  delay(1000); // wait second
  digitalWrite(ledPin, LOW); //LED off
  delay(1000); // wait second
}
```

or for PWM the output loop could read :

```
int ledPin = 11;

void setup() {
  pinMode(ledPin, OUTPUT);
}

void loop() {
  analogWrite(ledPin, 255); // LED on
  delay(1000); // wait second
  analogWrite(ledPin, 0); // LED off
  delay(1000); // wait second
}
```