

Arduino Code: Signal Light Blinking

This Arduino code makes a signal light (LED) blink on and off at 1-second intervals. You can connect an LED to pin 13 of the Arduino with a resistor in series to limit current.

```
int ledPin = 13; // Pin where the LED is connected

void setup() {
  pinMode(ledPin, OUTPUT); // Set pin as output
}

void loop() {
  digitalWrite(ledPin, HIGH); // Turn LED on
  delay(1000);                // Wait for 1 second
  digitalWrite(ledPin, LOW);  // Turn LED off
  delay(1000);                // Wait for 1 second
}
```

Circuit Connection:

- Arduino Pin 13 ---> Resistor (220Ω) ---> LED Anode (+)
- LED Cathode (-) ---> GND