**Arduino Code**

// Define the LED pin

const int ledPin = 13;

void setup() {

// Initialize the LED pin as an output

pinMode(ledPin, OUTPUT);

}

void loop() {

// Turn the LED on

digitalWrite(ledPin, HIGH);

delay(1000); // Wait for 1 second (1000 milliseconds)

// Turn the LED off

digitalWrite(ledPin, LOW);

delay(1000); // Wait for 1 second (1000 milliseconds)

}