

```
int ledPin = 2;

int pirPin = 13;


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


void loop() {
    if (digitalRead(pirPin) == HIGH) { // Motion detected
        digitalWrite(ledPin, HIGH); // Turn on LED
        delay(500);                // Wait for 500 milliseconds
        digitalWrite(ledPin, LOW);  // Turn off LED
        delay(500);                // Wait for 500 milliseconds
    }
}
```