

ASSIGNMENT-1

WOKWI SHARE LINK: -

<https://wokwi.com/projects/362903684688428033>

CODE: -

```
/*
PIR sensor tester
*/
int ledPin = 13;
int inputPin = 2;
int pirState = LOW;
int val = 0;
void setup() {
  pinMode(ledPin, OUTPUT);
  pinMode(inputPin, INPUT);
  Serial.begin(9600);
}
void loop() {
  val = digitalRead(inputPin);
  if (val == HIGH) {
    digitalWrite(ledPin, HIGH);
    if (pirState == LOW) {
      Serial.println("Motion detected!");
      pirState = HIGH;
    }
  } else {
    digitalWrite(ledPin, LOW);
    if (pirState == HIGH) {
      Serial.println("Motion ended!");
      pirState = LOW;
    }
  }
}
```

SCREENSHOT :-

