

ASSIGNMENT-1

WOKWI SHARE LINK: -

<https://wokwi.com/projects/363607244567050241>

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 :-



