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IOT Practical 3
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### AIM: Interface PIR Motion Sensor with Arduino and blink LED

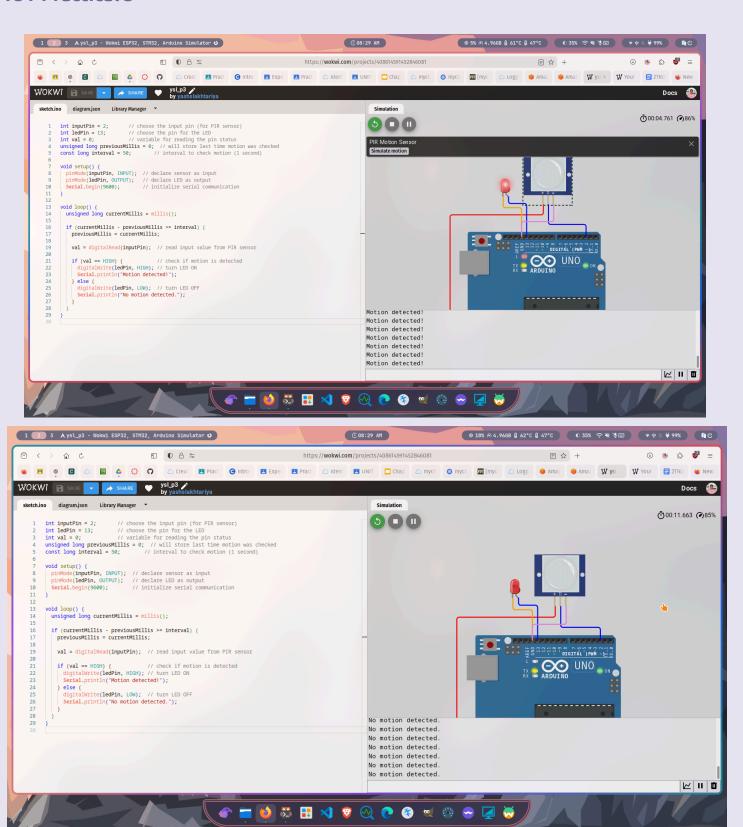
#### Materials used:

- Arduino Uno
- USB A to B cable
- 11FD
- 1 PIR Motion Sensor

#### Code:

```
int inputPin = 2;  // choose the input pin (for PIR sensor)
int ledPin = 13;  // choose the pin for the LED
                    // variable for reading the pin status
int val = 0;
unsigned long previousMillis = 0; // will store last time
motion was checked
const long interval = 50; // interval to check motion (1
second)
void setup() {
 pinMode(inputPin, INPUT); // declare sensor as input
 pinMode(ledPin, OUTPUT); // declare LED as output
 Serial.begin(9600); // initialize serial communication
}
void loop() {
  unsigned long currentMillis = millis();
 if (currentMillis - previousMillis ≥ interval) {
    previousMillis = currentMillis;
```

Virtual Output:



## Physical Output:

