Program no 4

Program Title Motion Detection Sensor

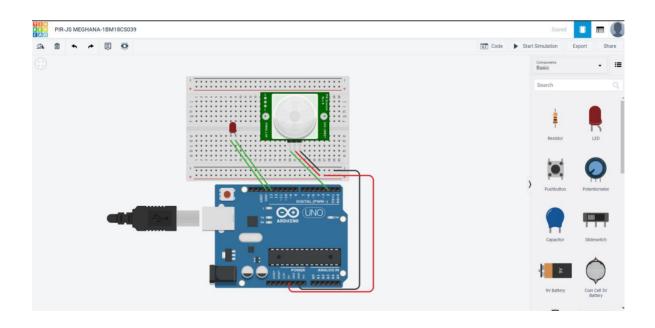
Aim

Demonstrate to show the working of PIR sensor

Hardware Required

- 1. Arduino Uno Board
- 2. PIR Sensor
- **3.** Led

Circuit Diagram



Code:

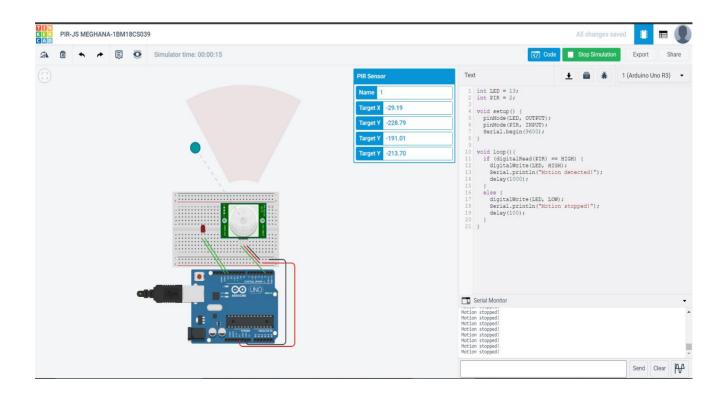
```
int LED = 13;
int PIR = 2;
void setup()
{
  pinMode(LED, OUTPUT);
```

```
pinMode(PIR, INPUT);
Serial.begin(9600);
}

void loop()
{
  if (digitalRead(PIR) == HIGH)
  {
    digitalWrite(LED, HIGH);
    Serial.println("Motion detected!");
    delay(1000);
  }
  else
  {
    digitalWrite(LED, LOW);
    Serial.println("Motion stopped!");
    delay(100);
  }
}
```

Observation / Output

Output-1



Output-2

