

## **ASSIGNMENT 03**

### **CODE:**

```
// C++ code

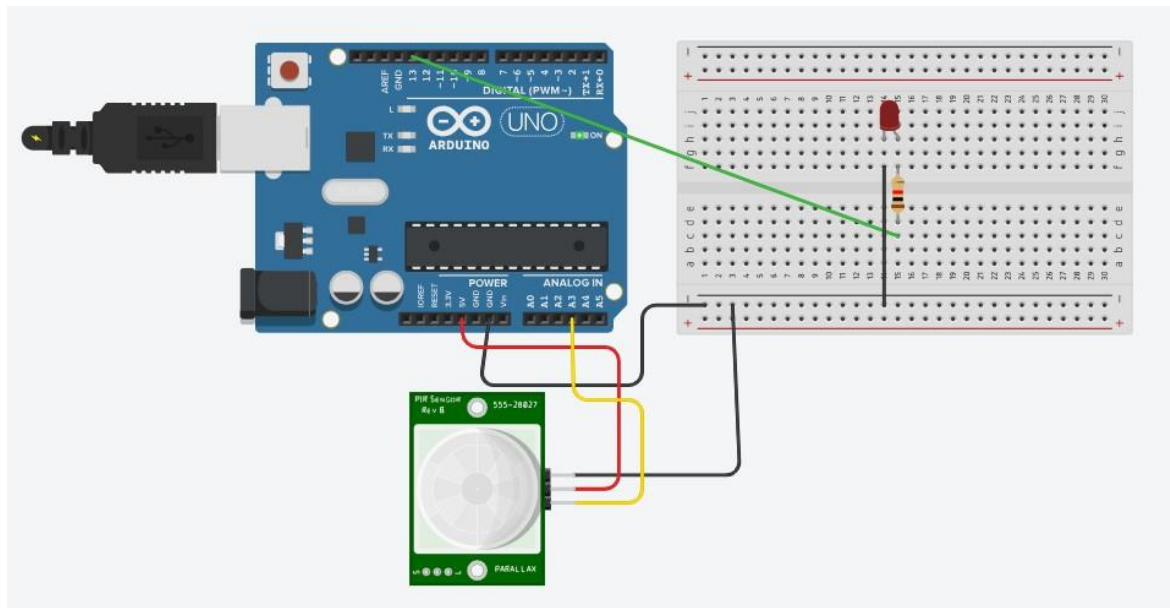
//

int LED=13; int
PIRPin=A3; int
Obstacle=LOW;

void setup()
{
    pinMode(13, OUTPUT);
    pinMode(A3, INPUT);
    Serial.begin(9600);
}

void loop()
{
    Obstacle=digitalRead(PIRPin);
    if(Obstacle==HIGH)
    {
        Serial.println("Obstacle Detected");
        digitalWrite(LED,HIGH);
    }
    else
    {
        Serial.println("Obstacle NOT Detected");
        digitalWrite(LED,LOW);
    }
}
```

## CIRCUIT:



## OUTPUT:

