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**Program No. – 07**

**Program Title – PIR**

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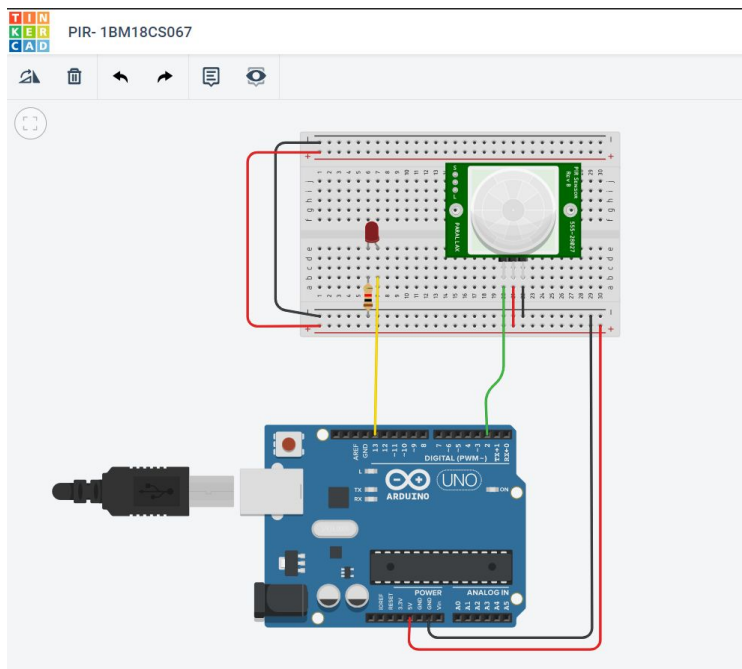
## **AIM**

Demonstrate to show working of PIR sensor.

## **HARDWARES REQUIRED**

- Arduino Board
- PIR sensor
- Resistor
- LED pin
- Breadboard Small

## **CIRCUIT DIAGRAM**



## WRITE-UP

## PFA

## CODE

```
int sensorState = 0;

void setup()

{

  pinMode(2, INPUT);

  pinMode(13, OUTPUT);

  Serial.begin(9600);

}

void loop()

{

  sensorState = digitalRead(2);

  if (sensorState == HIGH) {

    digitalWrite(13, HIGH);

    Serial.println("Sensor activated!");

  } else {

    digitalWrite(13, LOW);

    Serial.println("Sensor deactivated!");

  }

}
```

```
delay(5); }
```

## OUTPUT

Designed a system to show working of PIR Sensor.

