# Sakshi Srivastava

# 1BM18CS090

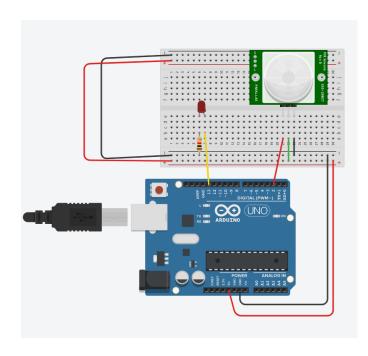
### PROGRAM TITLE: PIR SENSOR

Aim: DEMONSTRATE AND SHOW THE WORKING OF PIR SENSOR

#### Hardware Required:

- Arduino Board
- LED
- Photoresistor
- Resistor

### Circuit Diagram:



### Write-Up:

Name: Sakshi Shiyastava USN: 18M18 es 090	Date
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AIM: Demonstrate to show the working sensor.	of PIR
Sensor.	-
the base of the	
Hardware Required: Ardunio board	
LED	
Photoresital	
Breadboard.	
Code:	
Codes	
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yor'd retup ()	
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purMode (13, INPUT);	
Serial begin (9600).	
void loop ()	
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else	

{ digital write (13, 10w); Serval puntin ("senne deactivated!	
1 august with (13, LOW),	
Several punth (" senne deactivated!	");
delay (10);	

#### CODE:

```
int sensorState = 0;
void setup()
 pinMode(2, INPUT);
 pinMode(13, OUTPUT);
 Serial.begin(9600);
void loop()
{
// read the state of the sensor/digital input
 sensorState = digitalRead(2);
// check if sensor pin is HIGH. if it is, set the
// LED on.
 if (sensorState == HIGH)
  digitalWrite(13, HIGH);
  Serial.println("Sensor activated!");
 } else
  digitalWrite(13, LOW);
  Serial.println("Sensor Deactivated!");
 delay(10); // Delay a little bit to improve simulation performance
}
```

#### **OUTPUT/OBSERVATION:**

Sensor is activated.