Assignment No.1(IR Sensor for detecting the object)

INPUT:-

```
int IRSensor=9; //connect IR sensor module to Arduino pin 09
int LED=13; //connect LED to Ardunio pin 13
void setup() {
// put your setup code here, to run once:
Serial.begin(9600); //Init serial at 115200 Baud rate
Serial.println("Serail working"); //Test to check if serial is working or not
pinMode(IRSensor,INPUT); //IR Sensor pin INTPUT
pinMode(LED,OUTPUT); //LED pin output
}
void loop() {
// put your main code here, to run repeatedly:
int sensorStatus = digitalRead(IRSensor); //set the GPIO as input
if(sensorStatus==0) //check if pin low or not
{
//if the pin is low turn on the onboard led
digitalWrite(LED,HIGH); //led high
Serial.println("Object detected"); //print object detected on the serial monitor screen
}
else
//if the pin is high turn off the onboard led
{
digitalWrite(LED,LOW); // led low
Serial.println("Object NOT detected"); //print object not detected on the serial monitor screen
```

```
}
}
```

OUTPUT:-

(SERIAL MONITOR OUTPUT)

```
Object NOT detected
Object NOT detected
Object NOT detected
Object NOT detected
Object NOT detected
Object NOT detected
Object NOT detected
Object NOT detected
Object detected
Object detected
Object detected
Object detected
Object detected
Object detected
Object NOT detected
Object NOT detected
Object NOT detected
Object NOT detected
```