

IOT LAB - 5th Sem

Name :Varad Vithal KJ, USN : 1BM18CS122

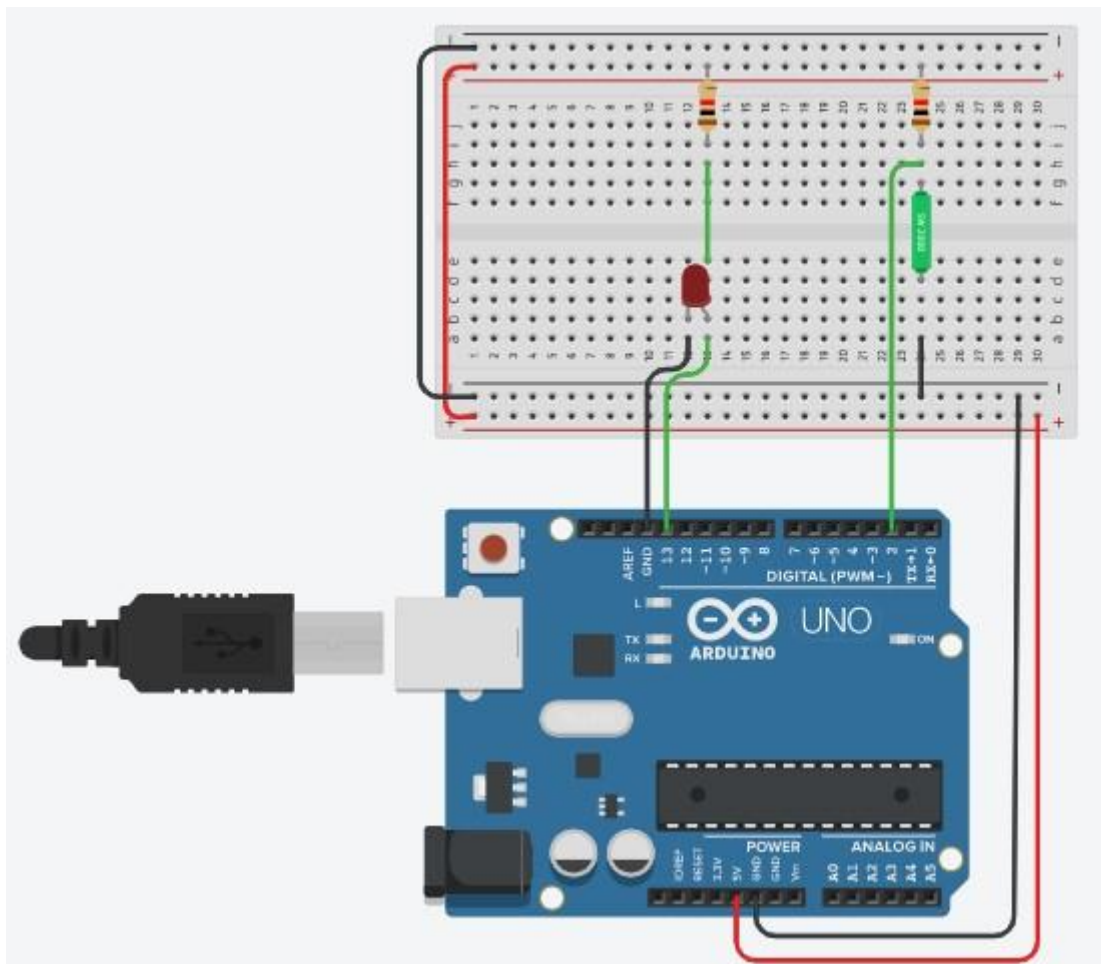
Program Title : Tilt Sensor

Aim :

To design a smart package handling system (Tilt & LED) using an Arduino Uno board.

Hardware Required :

- Arduino Uno Board
 - LED
 - Tilt Sensor
 - 2 Resistors – 1K Ohm
- Circuit Diagram :**



Written Code :

```
int tilt = 2;  
int led = 13;
```

```
void setup()  
{  
  pinMode (tilt, INPUT);  
  pinMode (led, OUTPUT);  
  pinMode Serial.begin(9600);  
}
```

```
void loop()  
{  
  int read; // would specify = 0  
  read = digitalRead (tilt);  
  Serial.println (read);  
  
  if (read == 1)  
    digitalWrite (led, LOW);  
  else  
    digitalWrite (led, HIGH);  
}
```

Observation /Output :

The LED was lit once tilt was detected.