Sakshi Srivastava

1BM18CS090

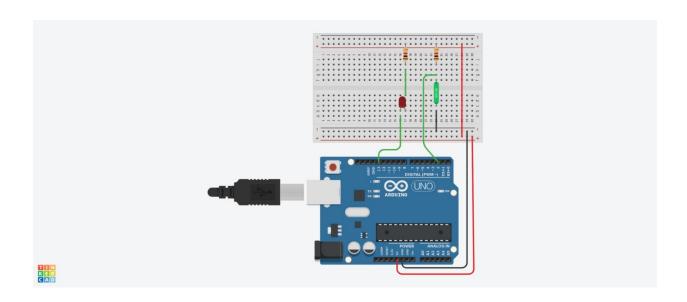
PROGRAM TITLE: TILT SENSOR

Aim: DESIGN A SMART PACKAGE HANDLING SYSTEM(TILT SENSOR AND LED)

Hardware Required:

- Tilt Sensor
- Resistor
- LED
- Breadboard
- Arduino UNO

Circuit Diagram:



Write-Up:

```
Expt. No......13
                                           Page No. 21
  Ami: Design a smart package handling system (TILT SENGOR AND LED).
 HARDWARE REQUIRED:
  Tur Server
  Resistos
  LED.
  Breadboard
  Arduno UNO.
  CODE.
  unt tilt = 2;
  unit ded = 13;
  3 primode ( tilt INPUT);
    purimode ( Led, OUT PUT);
   unt reading;
   reading = digitalRead (tilt);
   digitaleviste ( ho, HIGH)
```

CODE:

```
int tilt=2;
int led=13;
void setup()
{
  pinMode(tilt,INPUT);
```

```
pinMode(led,OUTPUT);
}

void loop()
{
  int reading;
  reading=digitalRead(tilt);
  if(reading)
  digitalWrite(led, LOW);
  else
  digitalWrite(led, HIGH);
}
```

Output/Observation:

The LED light glows accordingly.