Sakshi Srivastava

1BM18CS090
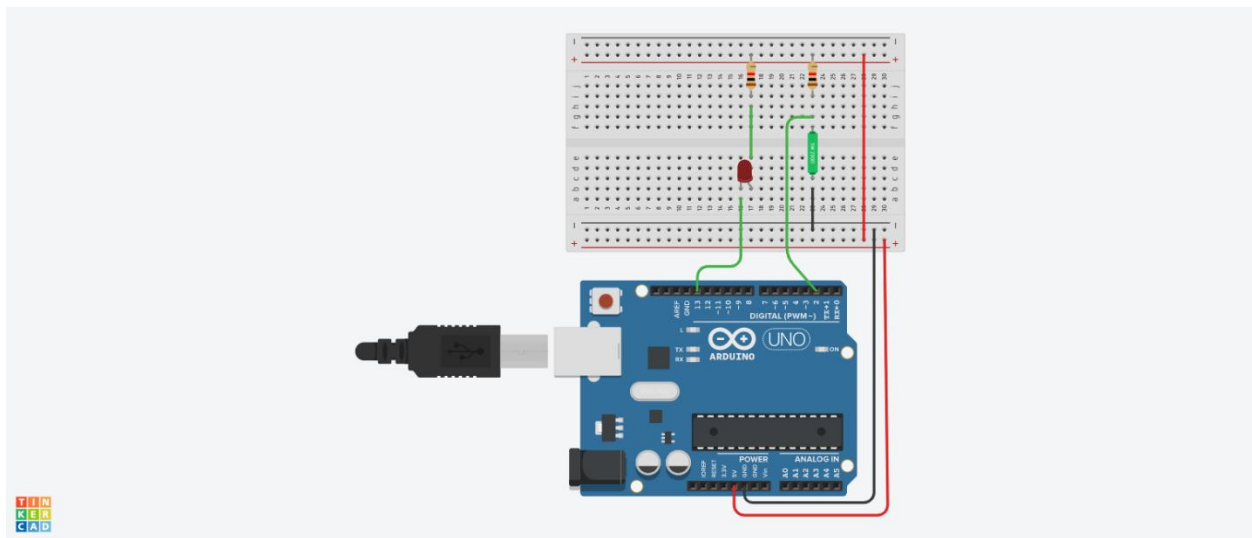
PROGRAM TITLE: TILT SENSOR

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

Hardware Required:

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

Circuit Diagram:

Write-Up:

Aim: Design a smart package handling system
(TILT SENSOR AND LED).

HARDWARE REQUIRED:

→ Tilt Sensor
→ Resistor
→ LED.
→ Breadboard
→ Arduino UNO.

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).
}
```

Teacher's Signature : _____

CODE:

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

2

```
  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.