

Program no : 13

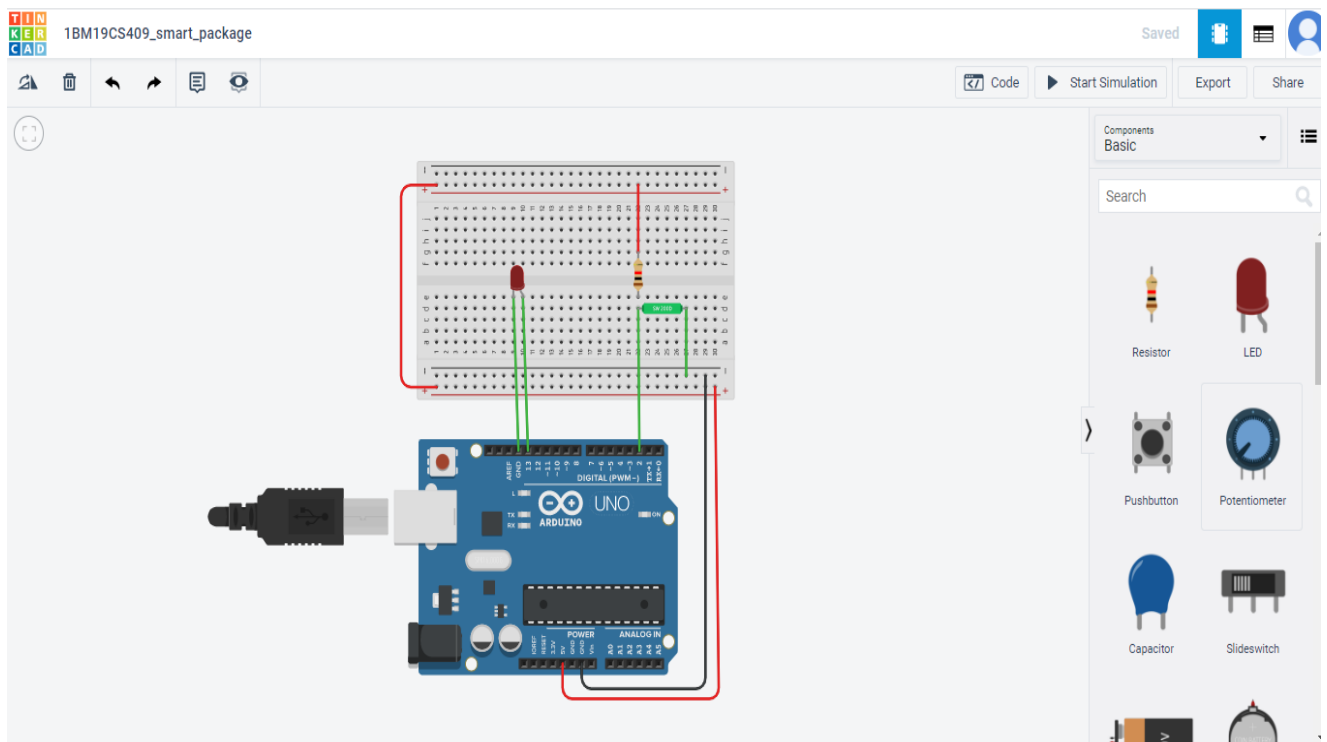
Program Title : Smart package system (Tilt sensor)

Aim : To design smart package handling system using tilt sensor.

Hardware Required

- Arduino Board
- Wires
- Breadboard
- Resistor
- Tilt sensor

Circuit Diagram :



Code:

Sumalata
IBM19C5409

A/OY
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Program - 13 Smart Package handling System (tilt Sensor)

```
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);  
}
```

```
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);  
}
```

Observation /Output :

TIN KERN CAD 1BM19CS409_smart_package Saved

Simulator time: 00:00:12.545

Code Stop Simulation Export Share

Tilt Sensor
Name 1

```
1 int tilt=2;
2 int led=13;
3 void setup()
4 {
5   pinMode(tilt, INPUT);
6   pinMode(led, OUTPUT);
7 }
8
9 void loop()
10 {
11   int reading;
12   reading = digitalRead(tilt);
13   if(reading)
14     digitalWrite(led, LOW);
15   else
16     digitalWrite(led, HIGH);
17 }
18
```

Serial Monitor