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**Program no** Week-6(1st-Question)

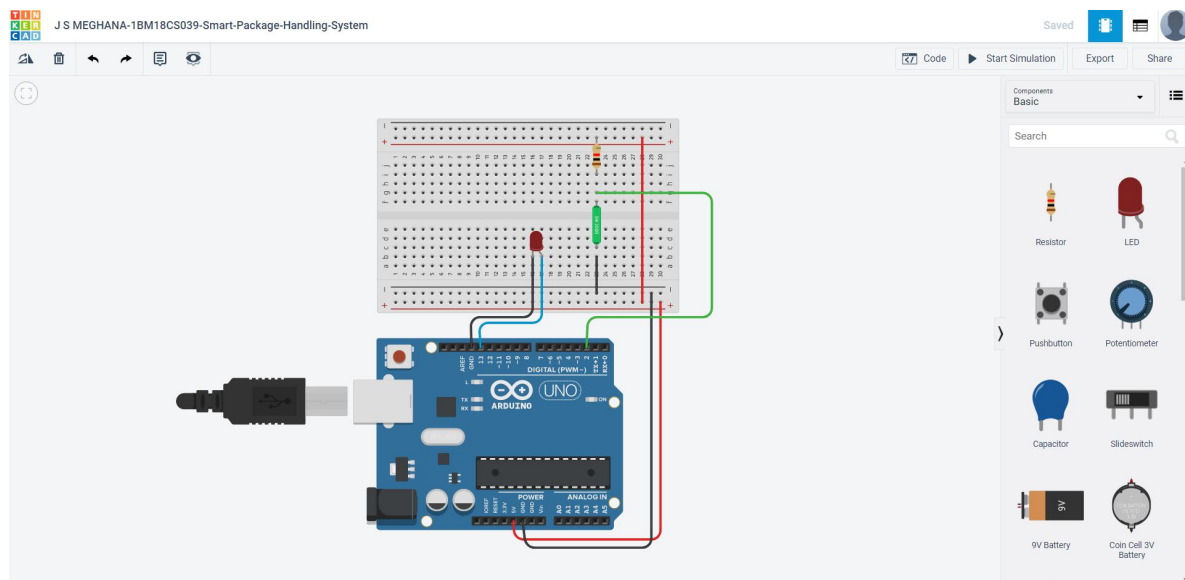
**Program Title** Package Handling System

**Aim:** Design a smart handling system (Tilt sensor and LED)

### Hardware Required

1. Arduino Board
2. Bread Board
3. Tilt Sensor
4. LED
5. Resistor
- 6.

### Circuit Diagram



### Code:

```
const int statusLED = 13;
const int switchTilt = 2;
int val = 0;
void setup()
{
  pinMode (statusLED,OUTPUT);
  pinMode (switchTilt,INPUT);
  Serial.begin(9600);
}
void loop()
{
```

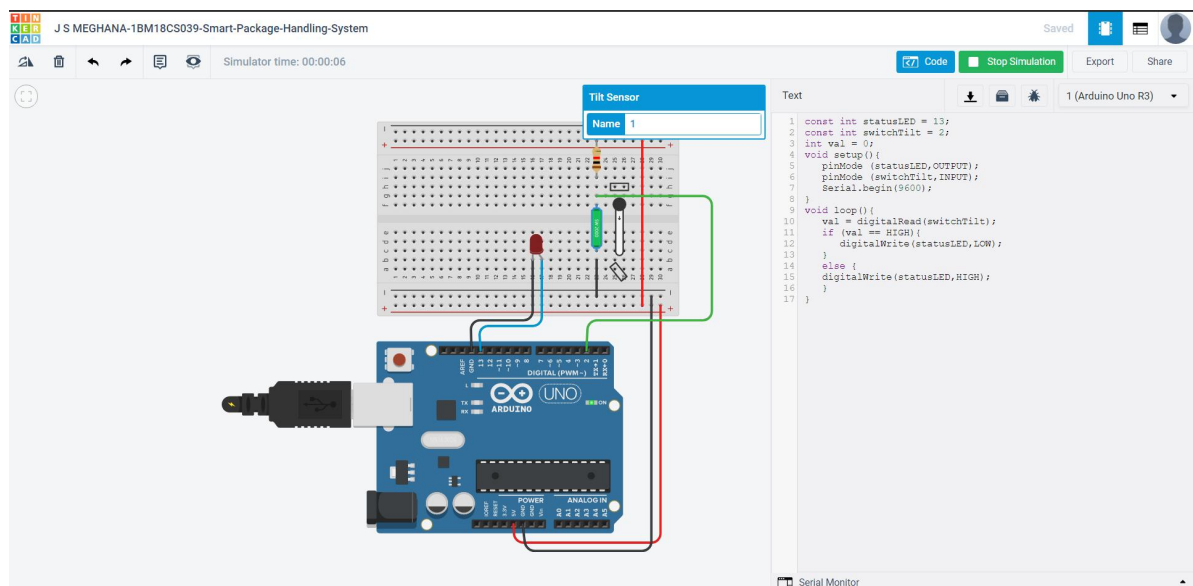
```

val = digitalRead(switchTilt);
if (val == HIGH){
digitalWrite(statusLED,LOW);
}
else
{
digitalWrite(statusLED,HIGH);
}
}
}

```

## Observation /Output:

### Output-1:



### Output-2:

