

# IOT LAB - 5th Sem

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Program No : 13

Program Title : Tilt Sensor

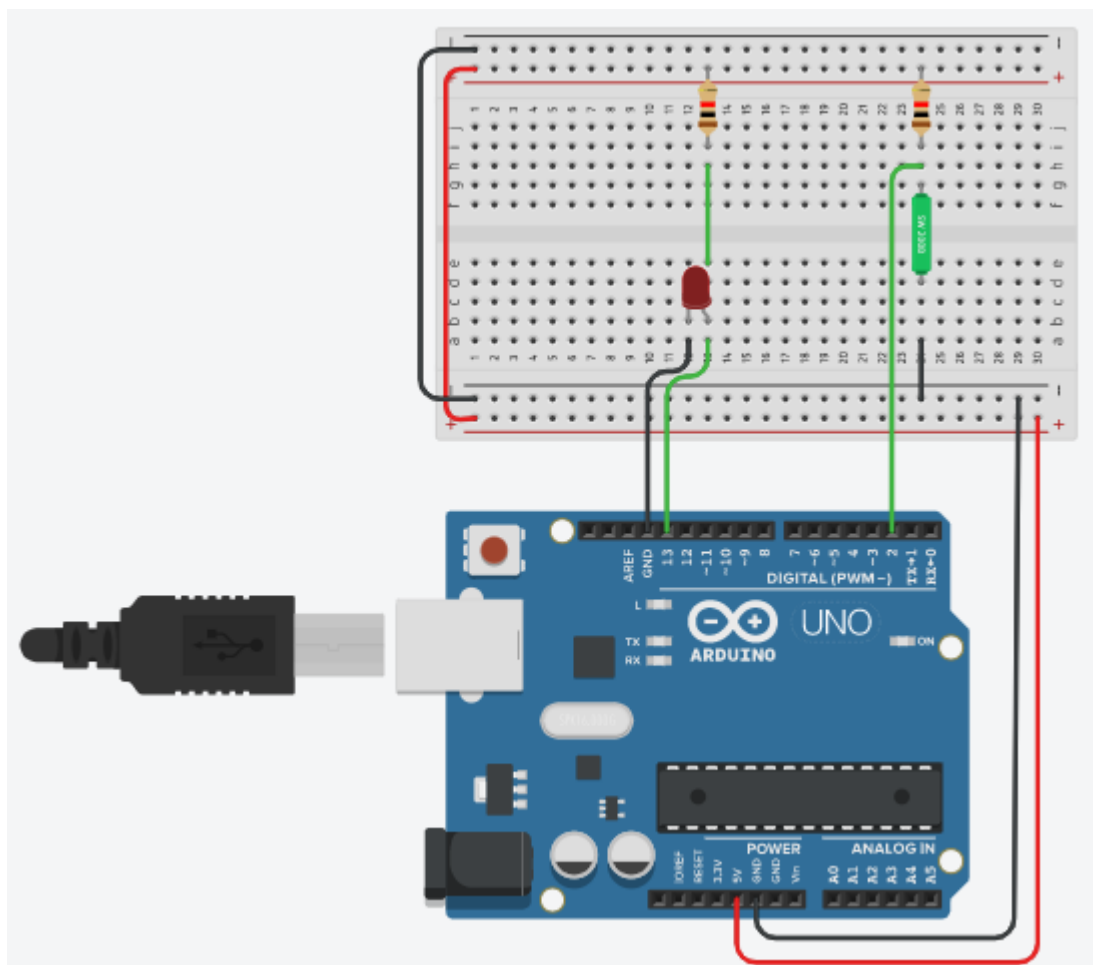
Aim :

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

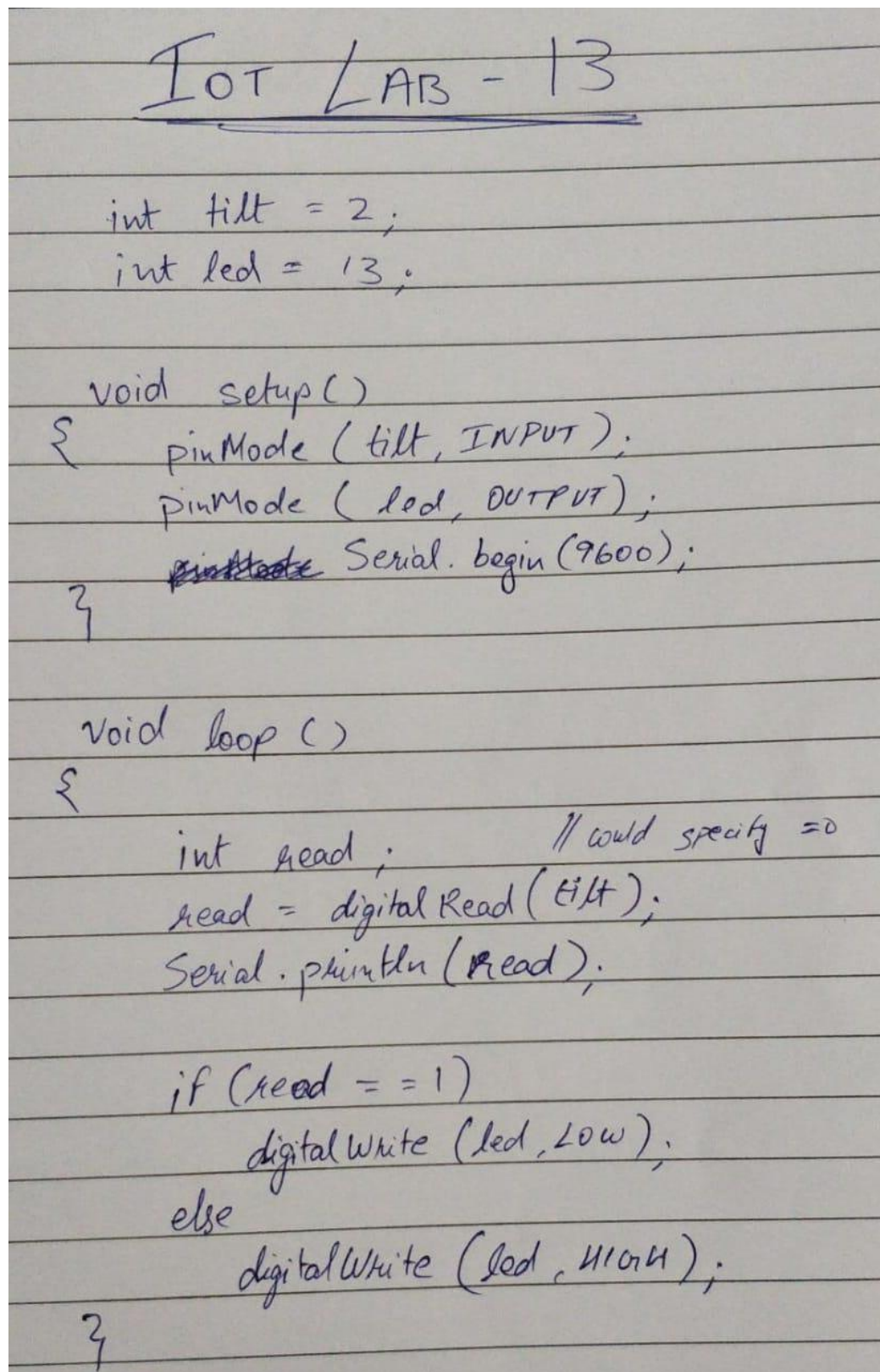
Hardware Required :

- Arduino Uno Board
- LED
- Tilt Sensor
- 2 Resistors – 1K Ohm

Circuit Diagram :



### Written Code :



```
IOT LAB - 13

int tilt = 2;
int led = 13;

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

void loop()
{
  int read;           // could 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.