Lab 6: Program 14

Date: 28/10/20

Experiment: Tilt Sensor

Aim: To demonstrate how a tilt sensor works.

Hardware

- Arduino Uno
- Tilt Sensor
- LED

}

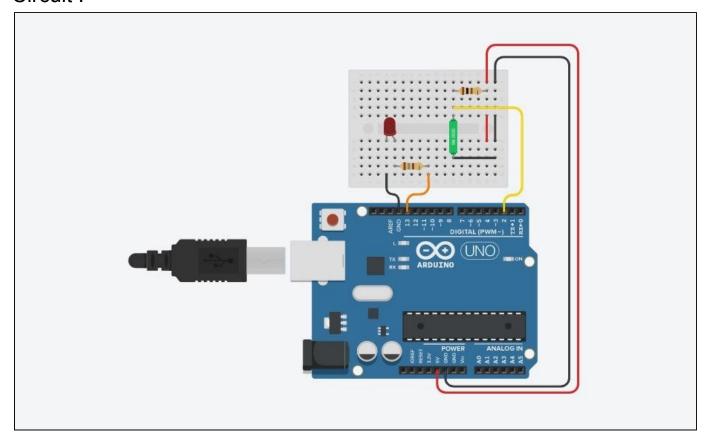
Resistors

```
Source Code:
int led = 13;
int sensor = 2;
void setup()
{
   pinMode (led,OUTPUT);
   pinMode (sensor, INPUT);
   Serial.begin(9600);
}
void loop()
{
  int val = digitalRead(sensor);
  Serial.println(val) ;
  if (val == HIGH)
  {
    digitalWrite(led, HIGH);
  else
  {
    digitalWrite(led, LOW);
  delay(500);
```

Observation:

The LED glows when the sensor is tilted.

Circuit:



Write Up:

```
Source Code:
void sulup()
  pin Mode (led, OUTPUT);
  pin Mode (sensor, INPUT);
 Serial begin (9600);
void loon()
 int val = digital Read (Sensor);
  Serial. println (val);
  if (val == H16t1)
    digital Write ( led, 1446H);
  else
```