



Week 3 Assignment 1

🕒 Created	@December 16, 2024 5:23 PM
📖 Class	RoboDive

1.2) Flex Sensor and Circuit

CODE

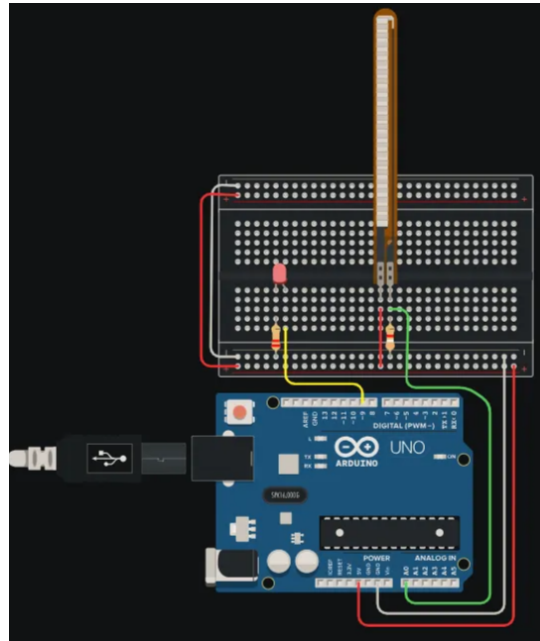
```
int sensor = 0;

void setup()
{
  pinMode(A0, INPUT);
  pinMode(8, OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  sensor = analogRead(A0);
  float value=map(sensor,6,33,180,0);
  float led=map(sensor,6,33,1023,0);
  analogWrite(9,led);
  Serial.print("Raw value = ");
  Serial.println(sensor);
  Serial.print("sensor angle = ");
  Serial.println(value);
}
```

```
    delay(100); // Wait for 100 millisecond(s)
}
```

Scrn shot



OUTPUT Format

```
Raw value = 18
sensor angle = 100.00
```