

## LAB 4 & 5

**Date:** 28/8/2019

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**Roll Number:** 1740256

```
int sensorPin = 0;

int led1 = D0;

int led2 = D2;

int led3 = D4;

float sensorValue = 0;

void setup() {

    // put your setup code here, to run once:

    Serial.begin(9600);

    pinMode(led1,OUTPUT);

    pinMode(led2,OUTPUT);

    pinMode(led3,OUTPUT);

}

void loop() {

    // put your main code here, to run repeatedly:

    sensorValue = analogRead(A0);

    float value = sensorValue/(1024.0);

    Serial.println(value);

    delay(500);

    if(value>0.05) {

        digitalWrite(led1,HIGH);

        digitalWrite(led2,HIGH);

        digitalWrite(led3,HIGH);

    }

    else {
```

```
digitalWrite(led1,LOW);  
digitalWrite(led2,LOW);  
digitalWrite(led3,LOW);  
}  
}
```

0.07  
0.06  
0.06  
0.06  
0.06  
0.06  
0.06  
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