**LAB : 1 (GAS SENSOR codes)**

int LED = A1;

const int gas = 0;

int MQ2pin = A0;

void setup() {

Serial.begin(9600);

}

void loop() {

float sensorValue,MQ2pin;

sensorValue = analogRead(MQ2pin); // read analog input pin 0

if(sensorValue >= 470){

digitalWrite(LED,LOW);

Serial.print(sensorValue);

Serial.println(" |SMOKE DETECTED");

}

else{

digitalWrite(LED,HIGH);

Serial.println("Sensor Value: ");

Serial.println(sensorValue);

}

delay(1000);

}

float getsensorValue(int pin){

return (analogRead(pin));

}