```
//AALEKH PRASAD, IIIT DHARWAD
#define sensorDigital 2
#define buzzer 4
#define sensorAnalog A1

void setup() {
Serial.begin(9600); // sets the serial port to 9600
  Serial.println("MQ3 warming up!");
  delay(20000); // allow the MQ3 to warm up
  pinMode(sensorDigital, INPUT);
  pinMode(sensorAnalog, INPUT);
  pinMode(3, OUTPUT);
  pinMode(6, OUTPUT);
  pinMode(7, OUTPUT);
  pinMode(10, OUTPUT);
  pinMode(11, OUTPUT);
  pinMode(buzzer, OUTPUT);
  Serial.begin(9600);
}
void loop() {
  bool digital = digitalRead(sensorDigital);
  int analog = analogRead(sensorAnalog);

  Serial.print("Analog value : ");
  Serial.print(analog);
  Serial.print("   ");
  Serial.print("  Digital value :");
  Serial.println(digital);
 if(analog<=530)
 {
   digitalWrite(7, HIGH);
 }
 else
 {
   digitalWrite(7, LOW);
   }

if (analog>=120)
    {
    digitalWrite(3, HIGH);
  } else {
    digitalWrite(3, LOW);
  }
  if (analog>=350) {
    digitalWrite(6, HIGH);
```

```
    digitalWrite(buzzer, HIGH);
  }
else {
    digitalWrite(6, LOW);
    digitalWrite(buzzer, LOW);
       }
  if (analog>=530) {
    digitalWrite(10, HIGH);
    digitalWrite(buzzer, HIGH);
  } else {
    digitalWrite(10, LOW);
    digitalWrite(buzzer, LOW);
  }
if (analog>=900) {
    digitalWrite(11, HIGH);
    digitalWrite(buzzer, HIGH);
  } else {
    digitalWrite(11, LOW);
    digitalWrite(buzzer, LOW);
  }
}
```