CODE

```
#include<LiquidCrystal.h>
const int rs=12,e=11,d4=5,d5=4,d6=3,d7=2;
LiquidCrystal lcd (rs, e, d4, d5, d6, d7);
void setup() {
// put your setup code here, to run once:
pinMode(A0,INPUT);
pinMode(6,OUTPUT);
pinMode(7,OUTPUT);
Serial.begin(9600);
lcd.begin(16, 2);
lcd.setCursor(0,0);
lcd.println("welcome to ");
lcd.setCursor(0,1);
lcd.println("air quality prediction");
delay(2000);
lcd.clear();
}


void loop() {
// put your main code here, to run repeatedly:
int a=analogRead(A0);
Serial.println(a);
lcd.setCursor(0,0);
lcd.println("air quality:         ");
if(a>200&&a<500)
{
digitalWrite(6,HIGH);
delay(1000);
```

```
  lcd.println("welcome to ");
  lcd.setCursor(0,1);
  lcd.println("air quality prediction");
  delay(2000);
  lcd.clear();
}


void loop() {
  // put your main code here, to run repeatedly:
  int a=analogRead(A0);
  Serial.println(a);
  lcd.setCursor(0,0);
  lcd.println("air quality:        ");
  if(a>200&&a<500)
  {
    digitalWrite(6,HIGH);
    delay(1000);
    digitalWrite(6,LOW);
    delay(500);
  }
  if(a>500&&a<600)
  {
    digitalWrite(7,HIGH);
    lcd.setCursor(0,1);
    lcd.println("moderate ");
    lcd.setCursor(13,0);
    lcd.println(a);
    delay(1000);
```