#include "LiquidCrystal.h"

LiquidCrystal lcd(8,7,6,5,4,3);

int LDR\_VAL = 0;

int gassensor = 0;

void setup()

{

pinMode(A0, INPUT);

Serial.begin (9600);

lcd.setCursor(0,0);

lcd.print("GAS SENSOR ");

pinMode(A0, INPUT);

Serial.begin(9600);

pinMode(A3, OUTPUT);

pinMode(2, OUTPUT);

pinMode(2, OUTPUT);

}

void loop()

{

LDR\_VAL = analogRead(A0);

Serial.println(LDR\_VAL);

if(LDR\_VAL > 500)

{

lcd.setCursor(0,1);

lcd.print ("GAS Detected ");

}

else

{

lcd.setCursor(0,1);

lcd.print("GAS Not Detect");

}

gassensor = analogRead(A0);

Serial.println(gassensor);

if (gassensor > 200) {

digitalWrite(A3, HIGH);

tone(2, 523, 300); // play tone 60 (C5 = 523 Hz)

} else {

digitalWrite(A3, LOW);

digitalWrite(2, LOW);

}

delay(10);

}