#include<LiquidCrystal.h>

int const gasInput = A1;

int BUZZER = 10;

LiquidCrystal LCD(9,8,4,5,6,7);

void setup()

{

LCD.begin(16,2);

serial.begin(9600);

LCD.print("STARTING");

}

void loop()

{

int value= analogRead(gasInput);

value=map(value,300,750,0,100);

serial.print(value);

serail.print('/n');

delay(250);

LCD.clear();

if(value>0)

{

LCD.print("STATUS : EMERGENCY");

tone(BUZZER,1000,200);

}

else if

{

LCD.print("STATUS : WARNING");

}

else

{

LCD.print("GOOD");

}

}