**CODE:**

**// Name: Obaid-Ur-Rahman Siddiqui**

**// Reg No: L1S19BSCS0001**

#include <LiquidCrystal.h>

#define D4 4

#define D5 5

#define D6 6

#define D7 7

#define E 8

#define RS 9

LiquidCrystal LCD(RS, E, D4, D5, D6, D7);

int celsius=0;

int fahrenheit = 0;

int intensity=0;

void setup()

{

Serial.begin(9600);

pinMode(A0, INPUT);

pinMode(A1,INPUT);

LCD.begin(16,2);

}

void loop()

{

celsius = map(((analogRead(A0))), 0, 1023, 30, 70);

fahrenheit = ((celsius \* 9) / 5 + 32);

LCD.setCursor(0,0);

LCD.print("Temperature: ");

LCD.print(celsius);

delay(10000);

LCD.clear();

intensity=analogRead(A1);

LCD.print("Gas Value : ");

LCD.print(intensity);

delay(10000);

LCD.clear();

}

**Tinker Cad Link:**

<https://www.tinkercad.com/things/6XQhgBowlDI-temperature-and-gas-sensor-value-on-lcd/editel?sharecode=5S0SQJTEYqXfJZfB6IvF4RxeXXs0umoRIni7xfFnaDo>

**Circuit picture:**

**Graphical user interface

Description automatically generatedGraphical user interface

Description automatically generatedGraphical user interface

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Description automatically generated**