#include<LiquidCrystal.h>

LiquidCrystal lcd(7,6,5,4,3,2);

const int Sensor = A0;

byte degree\_symbol[8] =

{

0b00111,

0b00101,

0b00111,

0b00000,

0b00000,

0b00000,

0b00000,

0b00000

};

void setup()

{

pinMode(Sensor, INPUT);

lcd.begin(16,2);

lcd.createChar(1, degree\_symbol);

lcd.setCursor(0,0);

lcd.print(" Digital ");

lcd.setCursor(0,1);

lcd.print(" Thermometer ");

delay(4000);

lcd.clear();

}

void loop()

{

float temp\_reading=analogRead(Sensor);

float temperature=temp\_reading\*(5.0/1023.0)\*100;

delay(10);

lcd.clear();

lcd.setCursor(0,0);

lcd.print("Temperature in C");

lcd.setCursor(4,1);

lcd.print(temperature);

lcd.write(1);

lcd.print("C");

delay(1000);

}