#include <LiquidCrystal.h>

int i = 0;

int sensor = A0;

float temp;

float tempc;

float tempf;

/\*

Circuit:

 \* RS pin connected to digital pin 12

 \* pin E (Enable) connected to digital pin 11

 \* pin D4 connected to digital pin 5

 \* pin D5 connected to digital pin 4

 \* pin D6 connected to digital pin 3

 \* pin D7 connected to digital pin 2

 \* R / W pin connected to the GND

 \* pin 1 and pin 4 connected to GND

 \* pin 2 connected to + Vcc

 \* 10 KOhm potentiometer / trimmer control panel connected to pin 3 of the LCD

 \* pin SX potentiometer / trimmer connected to + Vcc

 \* DX potentiometer / trimmer pin connected to GND

 \* the left and right pins of the potentiometer / trimmer can be interchanged

\*/

/\*

   The instance of the LiquidCrystal object called lcd is created in which

   the LCD pins connected to the Arduino digital outputs are indicated

\*/

LiquidCrystal lcd (12, 11, 5, 4, 3, 2);

void setup () {

   // set the number of columns and the number of lines of lcd

  lcd.begin (16, 2);

  // I see the message on the display

  //lcd.print ("Hackatronic.com ");

}

void loop () {

  // place the cursor in column 0 and line 1

  // (note: line 1 and the second line, as it counts starting from 0):

  //for(i=0;i++;15){

  //lcd.setCursor (i, 2);

  //}

  // print the number of seconds since the last reset

  //lcd.print (micros () / 1000);

  //lcd.print("^^^");

  //lcd.print("   ");

  //delay(100);

//delay(2000);

//t=t+2;

temp=analogRead(sensor);

tempc=(temp\*5)/10;

tempf=(tempc\*1.8)+32;

lcd.setCursor(0,0);

lcd.print("Temp in C = ");

lcd.println(tempc);

lcd.setCursor(0,1);

lcd.print("Temp in F = ");

lcd.println(tempf);

}