



```
#include <LiquidCrystal.h>
LiquidCrystal lcd(13, 12, 11, 10, 9, 8);

int sensor_Input;
float temp;

void setup() {
    Serial.begin(9600);
    lcd.begin(16, 2);
}
void loop() {
    measure_Temp();
    display_Temp();
}

void measure_Temp()
{
    sensor_Input = analogRead(A0);
    temp = (float)sensor_Input / 1024;
    temp = temp * 5;
    temp = temp - 0.5;
    temp = temp * 100;
}

void display_Temp()
```

```
{  
  lcd.setCursor(0, 0);  
  Serial.print("Temp. in Celcius: ");  
  Serial.print(temp);  
  Serial.println();  
  lcd.print("Temp. in Celcius: ");  
  lcd.setCursor(5, 1);  
  lcd.print(temp);  
  delay(500);  
}
```