```
 1: //LCD module connection
 2: sbit LCD_RS at Rb0_bit;
 3: sbit LCD_EN at Rb1_bit;
 4: sbit LCD_D4 at Rb2_bit;
 5: sbit LCD_D5 at Rb3_bit;
 6: sbit LCD_D6 at Rb4_bit;
 7: sbit LCD_D7 at Rb5_bit;
 8:
 9: sbit LCD_RS_Direction at TRISB0_bit;
10: sbit LCD_EN_Direction at TRISB1_bit;
11: sbit LCD_D4_Direction at TRISB2_bit;
12: sbit LCD_D5_Direction at TRISB3_bit;
13: sbit LCD_D6_Direction at TRISB4_bit;
14: sbit LCD_D7_Direction at TRISB5_bit;
15:
16: char display[16]="";
17:
18: void main() {
19:        unsigned int result;
20:        float volt,temp;
21:        TRISA=0xff;
22:        LCD_init();
23:        LCD_cmd(_LCD_CLEAR);
24:        LCD_cmd(_LCD_CURSOR_OFF);
25:        while(1)
26:        {
27:                result=adc_read(0);
28:                volt=result*4.88;
29:                temp=volt/10;
30:
31:                LCD_out(1,1,"Temp= ");
32:                floattostr(temp,display);
33:                LCD_out_cp(display);
34:        }
35: }
```