

```

//YWROBOT
//Compatible with the Arduino IDE 1.0
//Library version:1.1
#include <Wire.h>
#include<LiquidCrystal_I2C.h>

LiquidCrystal_I2C lcd(0x27,16,2); // set the LCD address to 0x27 for a 16 chars and
2 line display
int n;
float f;
byte Heart[8]=
{
B00100,
B00100,
B00100,
B11111,
B01110,
B10100,
B01110,
B00100,
};

void setup()
{
  lcd.init(); // initialize the lcd
  lcd.init();
  // Print a message to the LCD.
  lcd.backlight();
  lcd.setCursor(3,0);
  lcd.print("f=");
  lcd.setCursor(3,1);
  lcd.print("n = ");
  lcd.createChar(0,Heart);
}

void loop()
{
  lcd.setCursor(7,0);
  lcd.print(f,3);
  lcd.print(" ");
  lcd.write(0xDF);
  lcd.print("C");
  lcd.write(0);

  lcd.setCursor(7,1);

```

```
lcd.print(n);  
lcd.write(0xF4);  
n++;  
f=f+0.001;  
delay(500);  
}
```