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arduino-bootcamp / **Weather_Station** / **Final** / **LCD_Basic** / **LCD_Basic.ino**

🐙 **Lee Assam** First commit   ⟲

👥 **0** contributors

63 lines (52 sloc) | 1.45 KB   ···

```
1    /*
2      LiquidCrystal Library - Hello World
3
4     Demonstrates the use a 16x2 LCD display.  The LiquidCrystal
5     library works with all LCD displays that are compatible with the
6     Hitachi HD44780 driver. There are many of them out there, and you
7     can usually tell them by the 16-pin interface.
8
9     This sketch prints "Hello World!" to the LCD
10    and shows the time.
11
12      The circuit:
13    * LCD RS pin to digital pin 0
14    * LCD Enable pin to digital pin 1
15    * LCD D4 pin to digital pin 2
16    * LCD D5 pin to digital pin 3
17    * LCD D6 pin to digital pin 4
18    * LCD D7 pin to digital pin 5
19    * LCD R/W pin to ground
20    * LCD VSS pin to ground
21    * LCD VCC pin to 5V
22    * 10K resistor:
23    * ends to +5V and ground
24    * wiper to LCD VO pin (pin 3)
25
26    Library originally added 18 Apr 2008
27    by David A. Mellis
28    library modified 5 Jul 2009
29    by Limor Fried (http://www.ladyada.net)
30    example added 9 Jul 2009
31    by Tom Igoe
32    modified 22 Nov 2010
```

```
33      by Tom Igoe
34
35      This example code is in the public domain.
36
37      http://www.arduino.cc/en/Tutorial/LiquidCrystal
38
39      modified 10/30/2016
40      by Lee Assam
41     */
42
43   // include the library code:
44   #include <LiquidCrystal.h>
45
46   // initialize the library with the numbers of the interface pins
47   LiquidCrystal lcd(0, 1, 2, 3, 4, 5);
48
49   void setup() {
50     // set up the LCD's number of columns and rows:
51     lcd.begin(16, 2);
52     // Print a message to the LCD.
53     lcd.print("hello world!");
54   }
55
56   void loop() {
57     // Turn off the display:
58     //lcd.noDisplay();
59     //delay(500);
60     // Turn on the display:
61     lcd.display();
62     delay(500);
63   }
```