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Example use of LiquidCrystal library
//Sample using LiquidCrystal library
#include <LiquidCrystal.h>
/****************
This program will test the LCD panel and the buttons
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// select the pins used on the LCD panel
LiquidCrystal Icd(8, 9, 4, 5, 6, 7);
// define some values used by the panel and buttons
int lcd kev = 0;
int adc _key_in = 0;
#define btnRIGHT 0
#define btnUP 1
#define btnDOWN 2
#define btnLEFT 3
#define btnSELECT 4
#define btnNONE 5
// read the buttons
int read LCD buttons()
adc_key_in = analogRead(0); // read the value from the sensor
// my buttons when read are centered at these valies: 0, 144, 329, 504, 741
// we add approx 50 to those values and check to see if we are close
if (adc_key_in > 1000) return btnNONE; // We make this the 1st option for speed reasons since it will be the most
likely result
if (adc_key_in < 50) return btnRIGHT;
if (adc_key_in < 195) return btnUP;
if (adc key in < 380) return btnDOWN;
if (adc_key_in < 555) return btnLEFT;
if (adc key in < 790) return btnSELECT;
return btnNONE; // when all others fail, return this...
void setup()
lcd.begin(16, 2);
                       // start the library
lcd.setCursor(0,0);
lcd.print("Push the buttons"); // print a simple message
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}
void loop()
lcd.setCursor(9,1);
                         // move cursor to second line "1" and 9 spaces over
lcd.print(millis()/1000);
                         // display seconds elapsed since power-up
lcd.setCursor(0,1);
                         // move to the begining of the second line
lcd_key = read_LCD_buttons(); // read the buttons
                         // depending on which button was pushed, we perform an action
switch (lcd_key)
  case btnRIGHT:
   lcd.print("RIGHT");
   break:
  case btnLEFT:
   lcd.print("LEFT ");
   break;
   }
 case btnUP:
   lcd.print("UP ");
   break;
   }
 case btnDOWN:
   lcd.print("DOWN ");
   break:
 case btnSELECT:
   lcd.print("SELECT");
   break;
   case btnNONE:
   lcd.print("NONE ");
   break;
```