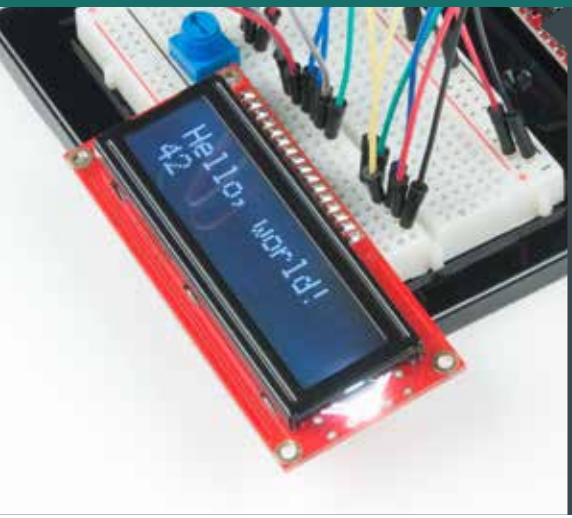
Open the Arduino IDE

Connect the RedBoard to a USB port on your computer.

Open the Sketch:
File > Examples > SIK-Guide-Code-master > **CIRCUIT_4A-LCD HELLO WORLD**

Select **UPLOAD** to program the sketch on the RedBoard.



WHAT YOU SHOULD SEE

The LCD screen will show "Hello, world!" and on the row below a counter will count every second that passes.

Adjusting the potentiometer will change the contrast on the LCD screen.

PROGRAM OVERVIEW

1	Import the LCD library.
2	Make an LCD object called "lcd" that will be controlled using pins 8, 9, 10, 11, 12 and 13.
3	"Begin" the LCD. This sets the dimensions of the LCD that you are working with (16 x 2). It needs to be called before any other commands from the LCD library are used.
4	Clear the display.
5	Set the cursor to the top left corner `lcd.setCursor(0,0);` then print "Hello, world!"
6	Move the cursor to the first space of the lower line `lcd.setCursor(0,1);` then print the number of seconds that have passed since the RedBoard was last reset.