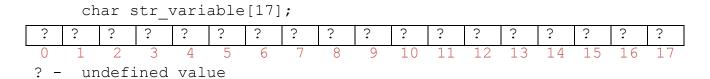
Lab 10: C Programming and LCD

Submit button.c at the end of your lab.

I. Strings in C

A string in C is implemented as an array, so declaring a string variable is the same as declaring an array of type char. For example:



Declare a string variable and initialize its values, do this:



II. Exercises

Write a subroutine output each character in str[] to screen, one character per line.

Write a subroutine to calculate the length of str[]

Write a subroutine to copy a string to another string.

Write a subroutine to scroll its text. Print it to screen

Download lab10.c. Create a project called lab10, build and upload lab10.hex to the board. Observe what is displayed on the LCD. Now, add your subroutines to scroll the text.

III. Exercises: download button.c, write two subroutines (init_buttons, button_pressed) based on the given code in the file.

Submit button.c at the end of your lab.