Assignment #1

Due Date 9 March 2018

Only for P1 – P2 – P3

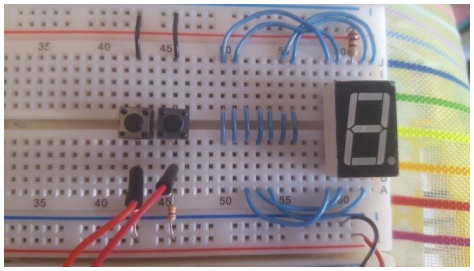
Using your AT89C51ed2 development board, you are required to connect a Common Anode Seven Segment Display on P2, two push buttons on P3.6 and P3.7 named UP and Down.

You are to write a software code either in C language or assembly to scan both buttons and increments the number on the display when the Up button is pressed (0, 1, 2, 3 ….9, 0, 1, 2 …) and decrement the number when the Down button is pressed. (9, 8, 7… 0, 9, 8 …)

You are to submit your whole project in a Groupe_XX.rar or Groupe_XX.zip format with your Group Number as the name of the file (Ex. Groupe_01.zip or Groupe_01.rar)

The compressed file should include a doc. file with all the names of the students in the group with their ID numbers, also the computations used to calculate the delay)

Your buttons are active low, your seven segment anode is connected to a 100 Ohm resistance to the Vcc.



You will test your code next time in the LAB, so make sure you bring your usb cable and board to program the microcontroller.

Deadline for software submissions 9/3/2018 at midnight (No projects accepted after).

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25 Feb. 2018