

## CSE 101 INTRODUCTION to COMPUTER SCIENCE

### Homework #02

**Due date: 06.11.2018 23:55**

- 1) Write an assembly program which takes an input as an integer number (you should assign the number into one register or memory space). The program will calculate factorial of the number (only for 1, 2, 3, 4, and 5). You should show result on SimpSim display.

Add a screenshot as a .png file. Upload your .asm file on moodle. The file name should be in the same in the form of : number\_name\_surname (ex: 181041001\_ozgu\_goksu\_part1.asm).

Ex: Given number 3

Display: Result6

**If you do not show your results on the display, you will lose point.**

- 2) Write an assembly program which takes a string. The program will show the reverse string on display. You should show result on SimpSim display.

Add a screenshot as a .png file. Upload your .asm file on moodle. The file name should be in the same in the form of : number\_name\_surname (ex: 181041001\_ozgu\_goksu\_part2.asm).

Ex: Given string "test"

Display: "tset"

**If you do not show your results on the display, you will lose point.**

- 3) Write your name in binary form using ASCII table.

N

E

V

Z

A

T



(01001110) (01000101) (01010110) (01011010) (01000001) (01010100)

4) 4AA  
F12

501  
4B3

78C  
1A3

997  
01E

10101111  
11110010

+

+

-

-

+



13BC

9B4

5E9

979

110100001

**Part 3 and Part 4 should be .pdf file.** Upload your .pdf file on moodle. The file name should be in the same in the form of : number\_name\_surname (ex: 181041001\_ozgu\_goksu.pdf).

**PS: If you have any question about hw, send e-mail to [ogoksu@gtu.edu.tr](mailto:ogoksu@gtu.edu.tr) If you upload wrong file formats on moodle. You will lose point. Be careful!**

**Good Luck!**