

CS 104 - Homework 02



The deadline for this homework is Tuesday 19th of October 23:59:00. Please name your solution files as `solution1.py`, `solution2.py`, `solution3.py`, `solution4.py`. Once you're finished with the homework, upload the files to LMS in order to complete the assignment. The assignment can and must be solved with the content we have covered during the first three weeks.

1. (25 pts) Write a Python program which accepts the three numbers from the user as command line arguments and prints them to the screen in ascending order.
2. (25 pts) Write a Python program that continuously prompts for a number until the user provides a negative number (You may use `input()` method to prompt for an input from a user). Once the negative number is obtained from a user, the program should print the sum of all non-negative numbers previously given.
3. (25 pts) Write a Python program that prints out the first 20 prime numbers.
4. (25 pts) Write a Python program that prints the following to the screen by the help of conditionals and loops.

```
00000
0    0
0    0
0    0
0    0
0    0
0    0
0    0
00000

ZZZZZZ
  Z
   Z
    Z
     Z
      Z
       Z
ZZZZZZ

U    U
U    U
U    U
U    U
U    U
U    U
U    U
UUUUU
```