

111A Introduction to Computer and Computer Science

Homework Assignment #1

Due: 10/3 00:00:00

In this homework assignment, you will practice the basic concepts of input, branching, conditional, and iterations. As you have learned all the related knowledge during the lectures (if, while, and for).

Problem #1: Comparison

Please use “**input**” function that asks users to type in three integers $\{x, y, z\}$ and print the largest odd number among them. If none of them are odd, print “**no odd number**”.

Problem #2: Iteration

Let s be a string that contains a sequence of decimal numbers separated by commas, e.g., $s = "4.99,3.2,5.487,0.18"$. Please write a program that prints the sum of numbers in string s .

(Bonus) Problem #3:

Let s_1 be a string that contains words and random characters. Let s_2 be a string that is a word, e.g., $s_1 = "fapplejdsjapplefdn"$, $s_2 = "apple"$. Please write a program that prints how many times of s_2 repeats in s_1 .

You are NOT allowed to import any additional module in this home work!!!

Hand in procedure:

As we had mentioned in the lecture, you should list all your collaborators in your programs. Here is the template:

```
"""  
Created on Sun Aug 7 01:23:45 2022  
  
@author: Xi Winnie, student ID  
  
@collaborators: Jane Doe, her student ID  
                John Doe, his student ID  
"""
```

Please save your code as a “.py” file, where the file name should follow this format:

111A_hw#1_ID.py

For example,

111A_hw#1_0123456789.py

Please be aware. **We are not going to accept any homework file with wrong file name or without signature.** Please double check the content of your file.

Once you have accomplished your works, you can upload your homework to the “E3@NYCU” system. There will be a section for uploading your homework.