WEEK 4 - ASSIGNMENT 4 TUPLES AND STRINGS

NOTE:

- **No need to submit anywhere, just keep track of all the PDF you made in a specific folder.**
- **Compare your solution with the solution I'll provide, in case of doubts, kindly reach out to me.**
- **You may get assignment solution in format of PDF or VIDEO solution, depending on the difficulty level.**

Q1. Write a Python program to get the 4th element from the last element of a tuple.

Q2. Write a Python program to find repeated items in a tuple.

Q3. Write a Python program to check whether an element exists within a tuple. Ask something from user, if that exists in tuple, then print "YES" else print "NO".

Q4. Write a Python program to reverse a tuple.

Q5. Write a Python program to check if a string has at least one letter and one number. If it has at least one letter and one number then print YES else print NO.

Q6. Write a python program to ask a string from user. Then count the number of vowels and number of consonants in that string.

(Make sure there are no spaces in string when you enter in terminal and also do not type any special characters except from alphabets)

Q7. Write a python program to ask a string from user. Then count the number of vowels and number of consonants in that string.

(User can type anything including symbols, spaces or anything else)

Q8. Ask a string from user. Print the string with first 2 letters and last 2 letters.

Example string: aeroplane

Output: aene

If length is less than 3, print "INVALID"

Q9. Write a python program to only print second half of the string. Ask string from user.

Example string: aeroplane

Output: lane

Example string: delhi

Output: hi

Example string: pavbhaji

Output: aji

Q10. Ask a string from user. Print how the count of alphabets (a-z or A-Z) in that string.

Q11. Ask a string from user. Print how many spaces are there in that string.

Q12. Ask a string from user. Print how many characters are there which are not alphabets.

Example 1: abc%$#gyhy

Output: 3

Example 2: AB788&*(^%&*%^&aaaa

Output: 13

Example 3: 1233^&*(*   0000011

Output: 22

Example 4: abcdABCD

Output: 0

Q13. Ask a string from user. Print the count of capital alphabets, small alphabets, spaces, digits and then symbols (whatever are left, count them in symbols).