Dear student,

Pl send the completed assignments to my mail in 2 days.

Pl do not copy paste any code from Internet.

1. Write a Python program to reverse a list of numbers given.

Ex: the given list is [10, 20, 5, 4, 33, 22]

Your program should print [22, 33, 4, 5, 20, 10]

2. Write a program to find out how many strings are there in the given list.

Ex: the given list is [10, 20, 'aaa', 'bbb', 33.5, 'ccc', 88, 'bbb', 25]

Your program output: There are 4 strings in the given list.

3. Write a program to count the number of zeros in a given number.

Ex: the given number is 10203

Your program output: There are 2 zeros in the given number.

4. Write a program to know if a given string is palindrome or not. Note: Palindrome is a string that gives the same string when reversed.

Ex: the given string is 'malayalam'

Your program output: malayalam is palindrome.

5. Accept a character from keyboard. Write a program to check if a given character is a vowel or consonant.

Note: Vowels are a,e,i,o,u.

6. Write a program to check if a given number is prime or not.

Note: Prime number is a number that is not divisible by any other number except by 2 and itself.

7. Write a program to generate prime number series.

Note: you have to display n primes as: 2,3,5,7,11,13,17,19, etc.

8. 1. Write a Python program to reverse a list of numbers given.

Ex: the given list is [10, 20, 5, 4, 33, 22]

Your program should print [22, 33, 4, 5, 20, 10]

Note: Do the above program without using slicing and reverse() methods.

functions

----------

9. Write a function that accepts monthly salary of employee and calculates annual salary (for 12 months). This annual salary should be returned to another function that calculates income tax at 10% of annual salary.

10. Write a function to calculate factorial value of a given number without using recursion.