Python String Excercises

CS1:

Return the count of a given substring from a string Write a program to find how many times substring "service" appears in the given string using with and without inbuilt functions.

"Your service may continue to run for a brief period, but to ensure uninterrupted service, you need to update the expiry date or add another primary card to avoid cancel your service. Please note that any outstanding balance may be charged within 24 hours of you updating your payment method to continue your service."

CS2

Create a string made of the middle three characters .

Write a program to create a new string made of the middle three characters of an input string.

CS3

Count the frequency of a particular character in a provided string. Eg 'hello how are you' is the string, the frequency of h in this string is 2. Replace the character with the count value like '2ello 2ow are you'.

Finally remove a particular word from a string and count the number of character in the word and insert the count value in the original position of the string. {Example, String -> '2ello 2ow are you'.
         Word to remove is "are"
         Output ->'2ello 2ow 3 you'

Note: Implement with and without inbuilt functions

CS4

Create a new string made of the first, middle, and last characters of each input string
Given two strings, s1 and s2, write a program to return a new string made of s1 and s2's first, middle, and
last characters.

s1 = "Argentina"
s2 = "Vietnam"
Expected output-->Avntam

Note: Implement with and without inbuilt functions

Python String Excercises

CS5

Arrange string characters such that lowercase letters should come first
Given string contains a combination of the lower and upper case letters. Write a program to arrange the characters of a string so that all lowercase letters should come first. Remove the space after arranging the string.

given--> I am a Python Programmer
expected-->amaythonrogrammerIPP

Note: Implement with and without inbuilt functions.

CS6

Count all letters, digits, and special symbols from a given string. And then multiply the count values and find the character of each number,

given-->str1 = "P@#yn26at^&i5ve"

expected-->Total counts of chars, digits, and symbols
Chars = 8 Digits = 3 Symbol = 4
8 * 3 * 4 => 96
9-> I
6-> F

Note: Implement with and without inbuilt functions

CS7

Write a program to check if two strings are balanced. For example, strings s1 and s2 are balanced if all the characters in the s1 are present in s2. The character's position doesn't matter. If two string are balanced then perform the below,

Create a mixed String using the following rules ,
Given two strings, s1 and s2. Write a program to create a new string s3 made of the first char of s1, then the last char of s2, Next, the second char of s1 and second last char of s2, and so on. Any leftover chars go at the end of the result.

Note: Implement with and without inbuilt functions

Python String Excercises

Write a program to find words with both alphabets and numbers from an input string.

Example Input String -> "Emma253 is Data scientist2024 and AI Expert"
Output -> [Emma253,scientist2024]

And then identify the character position of each character from the output word and multiply all the numbers in the word.

Example-> E=5,m=13,a=1
Emma253 => 5*13*13*1*2*5*3

Note: Implement with and without inbuilt functions

Extract the email service provider name from the list without using any inbuild methods.

emaillist=["gopikrishna@v2etechnologies.com","manikandan@yahoo.com","mohans@google.com","vinith@hotmail.com"]