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SEC (Python) PRACTICAL ASSIGNEMENT : 27.09.2022

Computer Science (3rd Sem)

**Question 1: WAP that takes a string as a parameter and returns a string with every successive repetitive character replaced with a star (\*).**

**Solution 🡪**

print(" WAP that takes a string as a parameter and returns a string with every successive repetiitve character replaced with a star (\*) \n")

def replace\_str(s):

lst=list(x for x in s)

for i in range(len(s)):

flag=0

for j in range(i+1,len(lst)):

if (s[i]==lst[j] and lst[j]!='\*'):

flag+=1

if flag>=1:

lst[j]='\*'

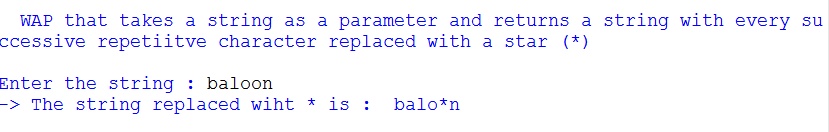
new\_str="".join(lst)

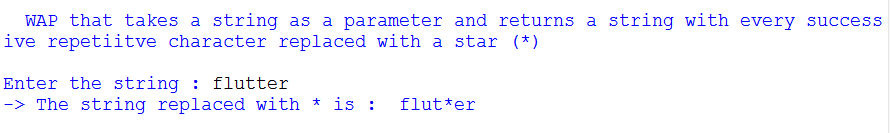
return new\_str

s=input("Enter the string : ")

result=replace\_str(s)

print("-> The string replaced wiht \* is : ", result)

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**Question 2 : WAF that takes two strings and returns True if they are anagrams and False otherwise. A pair of strings is anagrams if the letters**

**in one word can be arranged to form the second one.**

**Solution 🡪**

print("WAF that takes two strings and returns True if they are anagrams and False otherwise. A pair of strings is anagrams if the letters in one word can be arranged to form the second one.")

def anagram\_check(a,b):

if(sorted(a)== sorted(b)):

return 1

else:

return 0

print()

a=input("Enter String 1 : ")

b=input("Enter String 2 : ")

result=anagram\_check(a,b)

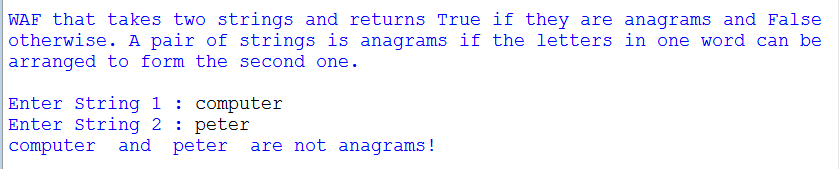
if (result==1):

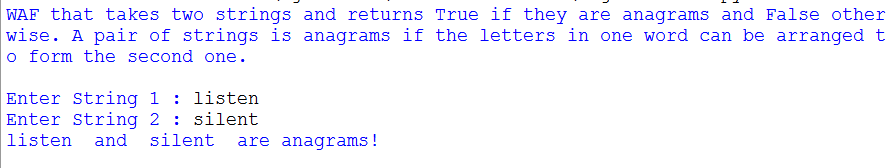
print(a, " and ", b , " are anagrams! ")

else:

print(a, " and ", b , " are not anagrams! ")

print()



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**Question 3 : Write a function that takes a sentence as an input parameter and displays the number of words in the sentence**

**Solution 🡪**

print()

print("Ques 3 : Write a function that takes a sentence as an input parameter and displays the number of words in the sentence \n")

def word\_count(a):

lst=a.split(" ")

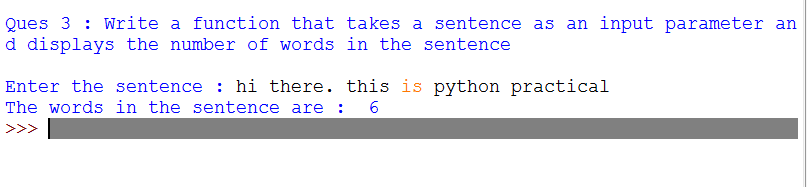
count=len(lst)

return count

a=input("Enter the sentence : ")

result=word\_count(a)

print("The words in the sentence are : ", result)



**Question 4 : Write a function that takes a sentence as an input parameter and replaces the first letter of every work with the corresponding uppercase letter and rest of the letters in the word by corresponding letters in lowercase without using built-in function.**

**Solution 🡪**

print()

print("Ques 4 : Write a function that takes a sentence as an input parameter and replaces the first letter of every work with the corresponding uppercase letter and rest of the letters in the word by corresponding letters in lowercase without using built-in function \n ")

def str\_conversion(a):

lst=a.split(" ")

new\_lst=[]

for word in lst:

word\_lst=[i for i in word]

if (word\_lst[0]>=chr(97) and word\_lst[0]<=chr(122)):

ordAt0=ord(word\_lst[0])

word\_lst[0]=chr(ordAt0-32)

new\_word="".join(word\_lst)

new\_lst.append(new\_word)

new\_line=" ".join(new\_lst)

return new\_line

a=input("Enter the string : ")

result=str\_conversion(a)

print("-> The new string is : ",result)

