string solving practice

November 23, 2022

STRING SOLVING PROBLEM

1 Write a program to accept a string and display the string with changed case(Change upper and lower case)

```
[2]: x="pyThon Is vEry inTEresting subject"
print(x.lower())
print(x.upper())
```

```
python is very interesting subject
PYTHON IS VERY INTERESTING SUBJECT
```

2 Write a program to count the length of string without using len() function.

```
[3]: str=[1,2,3,"hello"]
count=0
for i in str:
    count+=1
print("length of str",count)
```

```
length of str 4
```

Write a program to accept the string from user and display the ascii value for each letter

```
[4]: s=input("enter a string")
for chr in s:
    print(ord(chr),"is the ascii value of",chr)
```

```
enter a stringpython
112 is the ascii value of p
121 is the ascii value of y
116 is the ascii value of t
104 is the ascii value of h
111 is the ascii value of o
110 is the ascii value of n
32 is the ascii value of
```

3 Write a program which accepts a strings and count the frequency of each vowel.

```
[5]: s=input("enter a string")
     a=0
     e=0
     i=0
     o=0
     u=0
     for d in s:
         if d in "a" :
             a=a+1
         elif d in "e":
             e=e+1
         elif d in "i":
             i=i+1
         elif d in "o":
             o=o+1
         elif d in "u":
             u=u+1

     print("a",a)
     print("e" ,e)
     print("i",i)
     print("o",o)
     print("u",u)
```

```
enter a stringpython is very interesting language
a 2
e 4
i 3
o 1
u 1
```

WAP to remove vowels from the string.

```
[7]: s=input("enter a string")
     v="aeiou"
     for i in s:
         if i in v:
             s=s.replace(i,"")
     print("string without vowels =",s)
```

```
enter a stringpathetic words
string without vowels = pthtc wrds
```

4   Write a program that takes full name as input and displays the abbrevations of the first and middle names except the last name which is displayed as it is. Eg:

Robert Brett Roser output :R.B.Roser.

```
[8]: s="Robert Brett Roser"
     s=s.split()
     a=s[0][0]+"."+s[1][0]+"."+s[2]
     print(a)
```

```
R.B.Roser
```