PYTHON FOR DATA SCIENCE

ASSIGNMENT-1

Q 1. WAP to input a string and count the number of uppercase and lowercase letters .

SOURCE CODE :

```
st=input(“Enter a string : “)
su=sl=0
for i in st:
    if (i.isupper()):
        su+=1
    elif (i.islower()):
        sl+=1
    else:
        continue
print("The number of upper case letter in the string is ",su)
print("The number of lower case letter in the string is ",sl)
```

OUTPUT :

```
== RESTART: C:/Users/dell/OneDrive/Documents/python files/PFDS_ASSIGNMENT_1.py
Enter the string : Hello World
The number of upper case letter in the string is  2
The number of lower case letter in the string is  8
>>>
```

Q 2. Write a Python program to get a string made of the first 2 and last 2 characters of a given string. If the string length is less than 2, return the empty string instead.

SOURCE CODE :

```
s = input("Enter a string: ")
if len(s)<=2:
```

```
    print("< EMPTY STRING >")
else:
    print(s[:2] + s[-2:])
```

OUTPUT :

```
== RESTART: C:/Users/dell/OneDrive/Documents/python files/PFDS_ASSIGNMENT_1.py =
Enter a string: string
stng
>>>
== RESTART: C:/Users/dell/OneDrive/Documents/python files/PFDS_ASSIGNMENT_1.py =
Enter a string: of
< EMPTY STRING >
>>>
== RESTART: C:/Users/dell/OneDrive/Documents/python files/PFDS_ASSIGNMENT_1.py =
Enter a string: pnemonia
pnia
>>>
```

Q 2. Write a Python program to remove characters that have odd index values in a given string.

SOURCE CODE :

```
st=input("Enter a string : ")
print("The new string after removing character having odd indexing is : ",st[::2])
```

OUTPUT :

```
== RESTART: C:/Users/dell/OneDrive/Documents/python files/PFDS_ASSIGNMENT_1.py =
Enter a string : goosebumps
The new string after removing character having odd indexing is :  goeup
>>>
== RESTART: C:/Users/dell/OneDrive/Documents/python files/PFDS_ASSIGNMENT_1.py =
Enter a string : convocation
The new string after removing character having odd indexing is :  cnoain
```

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