Darshan UNIVERSITY
योग: कर्मसु कौशलम्

Python Programming - 2301CS404

Lab - 4

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String

01) WAP to check whether the given string is palindrome or not.

In [71]:
```
s = input("Enter the String : ")
if (s.lower() == s[::-1].lower()):
    print(f"{s} is a Palindrome String.")
else:
    print(f"{s} is Not a Palindrome String.")
```

```
Nayan is a Palindrome String.
```

02) WAP to reverse the words in the given string.

In [72]:
```
s = input("Enter the String : ")
new = s.split(" ");
s  = " ".join(new[::-1])
print(s)
```

```
Botad From Baraiya Vishal
```

03) WAP to remove ith character from given string.

In [73]:
```
s = input("Enter the String : ")
i = int(input("Enter the i : "))

if 0 < i <= len(s):
    words = s[:i-1]+s[i:]
```

```
print(f"{s} is after removeing {i}th Character is = {words}")
```

```
Karan is after removeing 4th Character is = Karn
```

04) WAP to find length of string without using len function.

In [74]:
```
s = input("Enter the String : ")
count = 0
for i in s:
    count += 1

print(f"Length of {s} = {count}")
```

```
Length of Vishal = 6
```

05) WAP to print even length word in string.

In [75]:
```
s = input("Enter the String : ")
words = s.split()
for i in words:
    if (len(i) % 2 == 0):
        print(i)
    else:
        pass
```

```
Vishal
```

06) WAP to count numbers of vowels in given string.

In [77]:
```
s = input("Enter the String : ")
s = s.lower()
vowels = ['a','e','i','o','u']
count = 0
for i in s:
    if i in vowels:
        count += 1
    else:
        pass
print(f"Total Vowels in {s} = {count}")

# if s.count('a'):
#     print("Count Of A = ",s.count('a'))
# if s.count('e'):
#     print("Count Of E = ",s.count('e'))
# if s.count('i'):
#     print("Count Of I = ",s.count('i'))
# if s.count('o'):
#     print("Count Of O = ",s.count('o'))
# if s.count('u'):
#     print("Count Of U = ",s.count('u'))
```

```
Total Vowels in vishal = 2
```

07) WAP to capitalize the first and last character of each word in a string.

In [12]:
```
s = input("Enter the String : ")
list = s.split()
res = []
for i in list:
    res.append(i[0].upper()+i[1:-1].lower()+i[-1].upper())

res = " ".join(res)
print(res)
```

```
WelcomE TO HomE
```

08) WAP to convert given array to string.

In [79]:
```
del str
```

In [80]:
```
num_list = [1, 2, 3, 4, 5]
result = ",".join(str(num) for num in num_list)
print(result)
```

```
1,2,3,4,5
```

09) Check if the password and confirm password is same or not.

In case of only case's mistake, show the error message.

In [41]:
```
password = input("Enter the Password : ")
confirmPassword = input("Enter the Password : ")

if(password == confirmPassword):
    print("Successfully Matched.")
elif (password.lower() == confirmPassword.lower()):
    print("Check in your case.")
else:
    print("Password Does Not Matched")
```

```
Successfully Matched.
```

10) : Display credit card number.

card no. : 1234 5678 9012 3456

display as : **** **** **** 3456

In [57]:
```
card_no = "1234 5678 9012 3456"
first = card_no[0:len(card_no)-4:]
last = card_no[len(card_no)-4::]
res = " "
for i in first:
    if(i.isdigit()):
        res += "*"
    else:
        res += " "
```

```
res = res + last
print(res)
```

```
**** **** **** 3456
```

11) : Checking if the two strings are Anagram or not.

s1 = decimal and s2 = medical are Anagram

In [69]:
```
string1 = input("Enter the str1 : ") # "decimal"
string2 = input("Enter the str2 : ") # "medical"
string1 = string1.replace(" ", "").lower()
string2 = string2.replace(" ", "").lower()
if sorted(string1) == sorted(string2):
    print(f"{s1} and {s2} is Anagram")
else:
    print(f"{s1} and {s2} is Not a Anagram")
```

```
Silent and Lisent is Anagram
```

12) : Rearrange the given string. First lowercase then uppercase alphabets.

input : EHlsarwiwhtwMV

output : lsarwiwhtwEHMV

In [83]:
```
s = input("Enter the String : ")
lower = ""
upper = ""
for i in s:
    if i.isupper():
        upper = upper + i
    elif i.islower():
        lower = lower + i
s = lower + upper
print(s)
```

```
ishalaraiyaotadVBB
```