Darshan UNIVERSITY

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Python Programming - 2301CS404

Lab - 4

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String

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

In [3]:
```
str = input("Enter String");
str2 = str[::-1]
if str2==str:
    print("String is Palindrome");
else:
    print("String is Not Palindrome");
```

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

In [2]:
```
str = input("Enter String:");
newstr = str.split()[::-1];
arr = []
for i in newstr:
    arr.append(i)
print(" ".join(arr));
```

```
asdugfsadiufgsjad
```

03) WAP to remove ith character from given string.

In [3]:
```
str = input("Enter String");
i = int(input("Enter index"));
result = str[:i] + str[i+1:]
print(result)
```

```
sd
```

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

In [4]:
```
str = input("Enter String");
count=0;
for i in str:
    if i==" ":
        break
    count+=1
print(count)
```

```
5
```

05) WAP to print even length word in string.

In [5]:
```
str = input("Enter String")
for word in str.split():
    if len(word) % 2 == 0:
        print(word)
```

```
sdfh
difh
```

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

In [23]:
```
str = input("Enter String:")
count = 0;
for i in str:
    if(i in "a" or i in "e" or i in "i" or i in "o" or i in "u"):
        count+=1;
print(count)
```

```
10
```

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

In [6]:
```
str = input("Enter a string: ")
result = []
for word in str.split():
    nword = word[0].upper() + word[1:-1] + word[-1].upper() if len(word) > 1 els
    result.append(nword)

outstr = " ".join(result)
print("Output string is:", outstr)
```

```
Output string is: DlsdiG SihgsI SiprG
```

08) WAP to convert given array to string.

In [11]:
```
num = int(input("Enter Array Size"))
arr=[];
for i in range(num):
    arr.append(input("Enter num"))
result="".join(arr)
print(result)
```

```
123
```

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

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

In [13]:
```
password = input("Enter Password:")
co_pass = input("Enter Confirm Password:")

if (password.lower() == co_pass.lower()):
    if(password == co_pass):
        print("Password Matches")
    else:
        print("Password Matches but case not mathces")
else:
    print("Wrong Password")
```

```
Password Matches but case not mathces
```

10) : Display credit card number.

card no. : 1234 5678 9012 3456

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

In [23]:
```
cnum = input("Enter Card Number:")
cardnum = "**** **** **** "+cnum[-4:]
print(cardnum)
```

```
**** **** **** 2131
```

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

s1 = decimal and s2 = medical are Anagram

In [1]:
```
s1 = input("Enter First String:")
s2 = input("Enter Second String:")

if (sorted(s1) == sorted(s2)):
    print("Both string are Anagram")
else:
    print("Both string are Not Anagram")
```

```
Both string are Anagram
```

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

input : EHlsarwiwhtwMV

output : lsarwiwhtwEHMV

In [29]:
```
string = input("Enter String: ")
upper=""
lower=""
for i in string:
    if (i.isupper()):
        upper += i
    else:
        lower += i
print(lower+upper)
```

```
ksjdjdsfHJFHJFH
```