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 [9]:
```
str = input("Enter String: ")
rev = str[::-1]

if(rev==str):
 print("String Are Palindrome")
else:
 print("String Are Not Palindrome")
```

```
String Are Palindrome
```

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

In [2]:
```
str = input("Enter String = ")
word = str.split(" ")
ans=[]
for i in word:
    ans.append(i[::-1])

joinans = " ".join(ans)
print("Word Wise Reverse : ",joinans)

fullre = str[::-1]
print("Full String Reverse : ",fullre)
```

```
Word Wise Reverse :  teeJ idolahB
Full String Reverse :  idolahB teeJ
```

03) WAP to remove ith character from given string.

In [15]:
```
str = input("Enter String:")
i = int(input("Enter Number That You Want To Remove:"))
ans = str[0:i:] + str[i+1::]
print(ans)
```

```
Jeet
```

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

In [19]:
```
str = input("Enter String:")
length=0
for i in str:
    length+=1
print(length)
```

```
7
```

05) WAP to print even length word in string.

In [21]:
```
str = input("Enter String:")
word = str.split(" ")

for i in word:
    if(len(i)%2==0):
        print("Even Word : ",i)
```

```
Even Word :  Jeet
```

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

In [25]:
```
str = input("Enter String:")
ans = 0
str = str.lower()
for i in str:
    if(i=='i' or i=='a' or i=='e' or i=='u' or i=='o'):
        ans+=1
print(ans)
```

```
2
```

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

In [29]:
```
str = input("Enter String:")
word = str.split(" ")
ans=""
final=""

for i in word:
    ans = i[0:1:].upper() + i[1:len(i)-1:] + i[len(i)-1::].upper()
    final+=ans+" "
print(final)
```

```
JeeT BhalodI
```

08) WAP to convert given array to string.

In [31]:
```
arr = ["Hello","My","Name","is","Jeet"]
str = ""
for i in arr:
 str+=i+" "
print(str)
```

```
Hello My Name is Jeet
```

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

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

In [39]:
```
pw = input("Enter Your Password: ")
cp = input("Enter Confirm Password")

if(pw==cp):
    print("PassWord Are Correct")
else:
    print("Enter Valid Password")
```

```
PassWord Are Correct
```

10) : Display credit card number.

card no. : 1234 5678 9012 3456

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

In [18]:
```
card = input("Enter Card No : ")
ans = card.isascii()

word=[]
if ans==True:
    isfour = card.split(" ")
    word.append(isfour)

for i in word:
    flag=1
    for j in i:
        if len(j)>4:
            print("Plz Enter Valid Number")
            flag=0
            break;
    if(flag==1):
        answer = '**** **** **** '+card[-4::]
        print(answer)
```

```
**** **** **** 5343
```

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

s1 = decimal and s2 = medical are Anagram

In [49]:
```
str1 = input("Enter String:")
str2 = input("Enter String:")

s1=str1.replace(" ","").lower()
s2=str2.replace(" ","").lower()

if(sorted(s1)==sorted(s2)):
    print(f'"{s1}" and "{s2}" are anagrams.')
else:
    print(f'"{s1}" and "{s2}" are not anagrams.')
```

```
"decimal" and "medical" are anagrams.
```

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

input : EHlsarwiwhtwMV

output : lsarwiwhtwEHMV

In [51]:
```
str = input("Enter String:")
lower = [char for char in str if char.islower()]
upper = [char for char in str if char.isupper()]

newstr ="".join(lower+upper)
print(newstr)
```

```
lsarwiwhtwEHMV
```

In [ ]:
```

```