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योग: कर्मसु कौशलम्

Python Programming - 2301CS404

Lab - 4

23010101161 - Smit Maru - 260

String

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

In [6]:
```python
s = input("Enter String")
sr = s[::-1]
if s == sr:
    print("Palindrome")
else:
    print("Not palindrome")
```

Palindrome

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

In [11]:
```python
s = input("Enter String")
sr = s[::-1]
print(sr)
```

tims

03) WAP to remove ith character from given string.

In [31]:
```python
s = input("Enter String")
n = int(input("Enter INT"))
print(s[:n:] + s[n+1::])
```

smta

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

```python
In [16]: s = input("Enter String")
         count = 0
         for char in s:
             count += 1
         print(count)
```

4

05) WAP to print even length word in string.

```python
In [22]: s = input("Enter String")
         a = s.split()
         for i in range(0,len(a),1):
             if len(a[i]) % 2 == 0:
                 print(a[i])
```

am
smit

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

```python
In [30]: s = input("Enter String")
         a = ['a','e','i','o','u','A','E','I','O','U']
         count = 0
         for i in range(0,len(s)):
             if s[i] in a:
                 count += 1
         print(count)
```

3

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

```python
In [1]: s = input("Enter String")
        a = s.split()
        ans = ""
        for i in range(0,len(a)):
            if len(a[i]) == 1:
                ans += a[i].upper()
            else:
                k = 0
                for char in a[i]:
                    if k==0 or k==(len(a[i])-1):
                        ans += char.upper()
                        k += 1
                    else:
                        ans += char
                        k += 1
```

```
        ans += " "
    print(ans)
```

I AM SmiT MarU

08) WAP to convert given array to string.

In [15]:
```
s = input("Enter words separated by Coma(,) : ")
arr = s.split(',')
result = " ".join(arr)
# print(type(result))
print("Converted string:", result)
```

<class 'str'>
Converted string: wasd;mlmswedf wesfd

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

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

In [4]:
```
s = input("Enter String")
t = input("Enter String")
print("case mistek") if t.lower()==s else print("Not")
```

case mistek

10) : Display credit card number.

card no. : 1234 5678 9012 3456

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

In [2]:
```
card_number = input("Enter your credit card number: ")
card_number = card_number.replace(" ", "")
masked_card_number = "**** **** **** " + card_number[-4:]
print("Display as:", masked_card_number)
```

Display as: **** **** **** 1234

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

s1 = decimal and s2 = medical are Anagram

In [2]:
```
a = input("Enter first string: ")
b = input("Enter second string: ")

print("Anagram") if sorted(a) == sorted(b) else print("Not Anagram")
```

Not Anagram

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

input : EHlsarwiwhtwMV

output : lsarwiwhtwEHMV

In [5]:
```python
s = input("Enter the input")
a , b = "",""
for char in s:
    if(char.islower()):
        a += char
    else:
        b += char
print(a+b)
```

lsarwiwhtwEHMV

In [ ]: