String

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

```
str1 = input("Enter string here:")
str2 = str1[::-1]
if(str1 == str2):
      print("pallindrome")
else:
      print("not pallindrome")
```

```
Enter string here: aba

pallindrome
```

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

```
str1 = input("Enter string here:")
words = str1.split()
reverse_word = words[::-1]
reverse_string = ' '.join(reverse_word)
print(reverse_string)
```

```
Enter string here: Parth Patel

Patel Parth
```

03) WAP to remove ith character from given string.

```
str1 = input("Enter string here:")
i = int(input("Enter index for remove a character:"))
str2 = str1[:i]+str1[i+1:]
print(str2)
```

```
Enter string here: kaya
Enter index for remove a character: 1

kya
```

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

```
str1 = input("Enter string here:")
length = 0
for i in str1:
    length += 1
print(length)
```

```
Enter string here: Parth Dadhaniya

15
```

05) WAP to print even length word in string.

```
str1 = input("Enter string here:")
str2 = str1.split(' ')
print(str2)
for i in str2:
    if len(i) % 2 == 0:
        print(i)
```

```
Enter string here: Parth Dadhaniya once

['Parth', 'Dadhaniya', 'once']
once
```

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

```
str1 = input("Enter string here:")
count = 0
vowels = "aeiouAEIOU"
for i in str1:
    if i in vowels:
        count += 1
print(count)
```

```
Enter string here: Parth

1
```

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

```
str1 = input("Enter string here:")
words = str1.split()
result = []

for i in words:
    if len(i) > 1:
        i = i[0].upper() + i[1:-1] + i[-1].upper()
    else:
        i = i.upper()
    result.append(i)

cap = ' '.join(result)
print(cap)
```

```
Enter string here: parth dadhaniya
```

```
PartH DadhaniyA
```

08) WAP to convert given array to string.

```
array = ['I','am','Parth','Student','of','B-tech']
s = ' '.join(array)
print("Array is:",array)
print("String is:",s)
```

```
Array is: ['I', 'am', 'Parth', 'Student', 'of', 'B-tech']
String is: I am Parth Student of B-tech
```

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

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

```
password = input("Enter Password:")
conpassword = input("Reenter Password:")
if password == conpassword:
    print("Password Matched")
elif password.lower() == conpassword:
    print("Password do not match. This issue seems to be sensitivity")
else:
    print("Password do not match")
```

```
Enter Password: Parth
Reenter Password: parth

Password do not match. This issue seems to be sensitivity
```

10) : Display credit card number.

card no. : 1234 5678 9012 3456

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

```
cno = input("Enter credit card number:")
result = '**** **** **** ' + cno[-4:]
print("Updated Number is:",result)
```

```
Enter credit card number: 1456 7869 4356 1611

Updated Number is: **** **** **** 1611
```

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

s1 = decimal and s2 = medical are Anagram

```
s1 = input("Enter 1st word:")
s2 = input("Enter 2nd word:")
```

```
print(sorted(s1))
print(sorted(s2))

if sorted(s1) == sorted(s2):
    print("Strings are Anagram")
else:
    print("Strings are not Anagram")
```

```
Enter 1st word: decimal
Enter 2nd word: medical

['a', 'c', 'd', 'e', 'i', 'l', 'm']
['a', 'c', 'd', 'e', 'i', 'l', 'm']
Strings are Anagram
```

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

input : EHlsarwiwhtwMV

output : lsarwiwhtwEHMV

```
s1 = input("Enter string here:")
lowercase = "".join(sorted([char for char in s1 if char.islower()]))
uppercase = "".join(sorted([char for char in s1 if char.isupper()]))
result = lowercase + uppercase
print(result)
```

```
Enter string here: EHlsarwiwhtwMV

ahilrstwwwEHMV
```