15-08-25

1) A python program to reverse a given string without using built-in reverse functions:

```
str=input('Valid string: ')
print("Reverse string: %s"%str[::-1])
```

```
Valid string: 'hello'
Reverse string: 'olleh'

=== Code Execution Successful ===
```

2) To check if a string is palindrome:

main.py | Share | Run | Output

```
str=input('Valid string: ')
temp=str
if temp[::-1]==str:
    print("palindrome")
else:
    print("not palindrome")
```

```
Valid string: 'hello'
not palindrome

=== Code Execution Successful ===
```

3) To count no.of vowels and consonants in a string:

main.py | Share | Run | Output

```
str=input("valid string: ")
v_count=0
c_count=0
for i in str:
    if i in ('AEIOUaeiou'):
        v_count+=1
print("vowel count: %d"%v_count)
for i in str:
    if i not in ('AEIOUaeiou'):
        c_count+=1
print("consonant count:%d"%c_count)
```

```
valid string: programiz
vowel count: 3
consonant count:6

=== Code Execution Successful ===
```

4) To remove all spaces from given string:

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```
str=input("Valid string: ")
l=list(str)
no_sp_str=""
for i in l:
    if i!=" ":
        no_sp_str=no_sp_str+i
print("String without spaces: %s"%no_sp_str)

```

```
Valid string: p r o g r a m
String without spaces: program

=== Code Execution Successful ===
```

5) To find the frequency of each character in a string:

main.py

```
str=input("Input string: ")
l=list(str)
fr_list=[]
for i in l:
    c=l.count(i)
    fr_list.append(c)
    d=dict(zip(l,fr_list))
print("The frequency of character is given==>%s"%d)
```

Output

```
Input string: Python
The frequency of character is given==>{'P': 1, 'y': 1, 't': 1, 'h': 1, 'o':
    1, 'n': 1}

=== Code Execution Successful ===
```