

#Reverse a given string without using built in functions

```
org=input("")
rev=""
for char in org:
    rev=char+rev
print("reverse:",rev)
```

input: hello

output: olleh

if string is palindrome or not

```
def is_palin(word):
    rev=word[::-1]
    if text==rev:
        return True
    else:
        return False
text=input("")
if is_palin(text):
    print("palindrome")
else:
    print("not")
```

input: madam

output: Palindrome

#count no.of vowels and no.of consonants in a string

```

text=input("")
vowels="aeiouAEIOU"
vowel=0
consonants=0
for char in text:
    if char.isalpha():
        if char in vowels:
            vowel+=1
        else:
            consonants +=1
print("no.of vowels:",vowel)
print("no.of consonanats:",consonants)

```

input: pace college

output: no.of vowels:5

no.of consonants:6

#remove all spaces in a string

```

def remv_spaces(s):
    return s.replace(" ","")
text=input("")
res=remv_spaces(text)
print("String without spaces:",res)

```

input: pace college

output: pacecollege

#count freq of each char

```
def count_char(s):
```

```
    freq={}
```

```
    for char in s:
```

```
        if char in freq:
```

```
            freq[char]+=1
```

```
        else:
```

```
            freq[char]=1
```

```
    return freq
```

```
text=input("")
```

```
res=count_char(text)
```

```
print(res)
```

input: pace college

output: {'p': 1, 'a': 1, 'c': 2, 'e': 3, ' ': 1, 'o': 1, 'l': 2, 'g': 1}