

## **String&pattern problem**

### **1.Reverse a given string without using built-in reverse function**

```
n=input(":")
rev=""
for i in range(len(n)-1,-1,-1):
    rev=rev+n[i]
print(rev)
```

### **2.Check if string is palindrom**

```
n=input(":")
rev=""
for i in range(len(n)-1,-1,-1):
    rev=rev+n[i]
if n==rev:
    print("palindrom")
else:
    print("not palindrom")
```

### **3.Count the no of vowels of consonents in a string.**

```
n=input(":")
s="aeiouAEIOU"
v=0
c=0
for i in range(len(n)):
    if n[i] in s:
```

```
        v=v+1
    else:
        c=c+1
print("vowels:",v)
print("consonants:",c)
```

#### **4.Remove all spaces in given string.**

```
s="i am good girl"
space=""
for i in range(len(s)):
    if s[i]==" ":
        continue
    else:
        space=space+s[i]
print(space)
```

#### **5.Count the frequency of each character in a string**

```
s = "harshitha"
freq = {}

for char in s:
    if char in freq:
        freq[char] += 1
    else:
        freq[char] = 1
```

```
for char in freq:
```

```
    print(f"{char}: {freq[char]}")
```