

1.write a python program to check two string are anogram without using the built in functions

```

str1=input("enter a string1")
str2=input("enter a stirng2")
a=list(str1)
b=list(str2)
mark=0

if(len(str1)!=len(str2)):
    mark=1
else:
    n=len(str1)
    for i in range(0,n-1+1,1):
        for j in range(0,n-2+1,1):
            if a[j]>a[j+1]:
                temp=a[j]
                a[j]=a[j+1]
                a[j+1]=temp

            for i in range(0,n-1+1,1):
                for j in range(0,n-2+1,1):
                    if b[j]>b[j+1]:
                        temp=b[j]
                        b[j]=b[j+1]
                        b[j+1]=temp

    for i in range(0,n-1+1,1):
        if a[i]!=b[i]:
            mark=1
            break

if mark==0:
    print("two strings are equal")
else:
    print("two strings are not equal")

```

```

enter a string1nandeesha
enter a stirng2Nandeesha
two strings are not equal

```

2.write a python program to count the number of uppercase letters,lowercase letters,digits,words,special characters,spaces

```

str=input("enter a string  ")
upper=0
lower=0
digits=0
space=0
special=0
words=0

for i in str:
    if i>="A" and i<="Z":
        upper+=1
    elif i>="a" and i<="z":
        lower+=1
    elif i>="0" or i<="9":
        digits+=1
    elif i==" ":
        space+=1
    else:
        special+=1
words=space+1
print("total uppercase letters in a string  ",upper)
print("total lowercase letters in a string  ",lower)
print("total digits in a string  ",digits)
print("total spaces in a string  ",space)
print("total spacial charaters in a string  ",special)
print("total words in a string  ",words)

```

```
enter a string Nandi@123
total uppercase letters in a string 1
total lowercase letters in a string 4
total digits in a string 4
total spaces in a string 0
total spacial characters in a string 0
total words in a string 1
```

3.write a program to reverse the order the order of a given string without using any inbuilt functions

```
a = input("enter a string")
word = ""
words = []
for i in a+":
    if i != " ":
        word += i
    else:
        words.append(word)
        word = ""
rev=""
for i in words:
    rev=i+""+rev

print(rev)
```

```
enter s atringstrings are immutable
immutable are strings
```

4.write a program to remove spaces in string

```
str=input("enter a string ")
words=[]
for i in str:
    if i!=" ":
        words.append(i)
print(words)

c=""
for i in words:
    c=c+i
print(c)
```

```
enter a string nandi esha yadav
['n', 'a', ' ', 'n', ' ', 'd', ' ', 'i', ' ', 'e', ' ', 's', ' ', 'h', ' ', 'a', ' ', 'y', ' ', 'a', ' ', 'd', ' ', 'a', ' ', 'v']
nandieshayadav
```

5.write a penultimate program

```
a = input("Enter a String: ")
n = len(a) - 1
count = 0

while n >= 0 and a[n] == " ":
    n -= 1

while n >= 0:
    if a[n] == " ":
        count += 1
        if count == 2:
            n += 1
            break
    n -= 1

if count < 2 and n < 0:
    n = 0

while n < len(a) and a[n] != " ":
```

```
print(a[n], end="")
n += 1
```

Enter a String: python is dynamic programming langauge  
programming