

```
In [12]: n=int(input("enter the n number"))
         for i in range(1,n+1):
             for j in range(i,i+1,1):
                 print(j,end=' ')
             print(" ")
```

```
enter the n number4
1
2 3
3 4 5
4 5 6 7
```

```
In [13]: n=int(input("enter the n number"))
         for i in range(1,n+1):
             for j in range(1,i+1):
                 print("*",end=' ')
             print(" ")
```

```
enter the n number4
*
* *
* * *
* * * *
```

```
In [22]: n=int(input("enter the n number"))
         for i in range(0,n):
             for j in range(n-i,n+1):
                 print(j,end=' ')
             print(" ")
```

```
enter the n number5
5
4 5
3 4 5
2 3 4 5
1 2 3 4 5
```

```
In [25]: n=int(input("enter the n number"))
         for i in range(0,n):
             for j in range(n-i,0,-1):
                 print(j,end=' ')
             print(" ")
```

```
enter the n number5
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

```
In [30]: n=int(input("enter the n number"))
         for i in range(1,n+1):
             for j in range(i,n+1):
                 print(j,end=' ')
             print(" ")
         for i in range(n-1,0,-1):
             for j in range(i,n+1):
                 print(j,end=" ")
             print(" ")
```

```
enter the n number4
1 2 3 4
2 3 4
3 4
4
3 4
2 3 4
1 2 3 4
```

```
In [31]: string=str(input("Enter string:"))
count=0
for i in string:
    count=count+1
print("Length of the string is:")
print(count)
```

Enter string:sathvik  
Length of the string is:  
7

```
In [32]: def count(s):
c=0
a=s.split()
v=len(a)
for i in a:
    c=c+len(i)
print("word count=",v)
print("sentence count=",c)
s=str(input("enter the string:"))
count(s)
```

enter the string:python is high level language  
word count= 5  
sentence count= 25

```
In [34]: def countOccurrences(str, word):
a = str.split(" ")
count = 0
for i in range(0, len(a)):
    if (word == a[i]):
        count = count + 1
return count
string =str(input("enter the string"))
word =str(input("enter the word"))
print(countOccurrences(string, word))
```

enter the stringpython is python  
enter the wordpython  
2

In [ ]: