

```
In [30]: 1 #2 Enter number 4
2 n=int(input("enter the number"))
3 for i in range(0,n):
4     for j in range(0,i+1):
5         print("*",end=" ")
6     print()
```

enter the number8

```
*
* *
* * *
* * * *
* * * * *
* * * * * *
* * * * * * *
* * * * * * * *
```

```
In [31]: 1 #1 Write a program to print the triangle
2 n=int(input("enter the number"))
3 for i in range(1,n+1):
4     for j in range(i):
5         print(i+j,end=" ")
6     print("")
```

enter the number8

```
1
2 3
3 4 5
4 5 6 7
5 6 7 8 9
6 7 8 9 10 11
7 8 9 10 11 12 13
8 9 10 11 12 13 14 15
```

```
In [32]: 1 #3 Enter number 5
2 n=int(input("enter n:"))
3 for i in range(n):
4     for j in range(i+1):
5         print(n-i+j,end=" ")
6     print("")
```

enter n:6

```
6
5 6
4 5 6
3 4 5 6
2 3 4 5 6
1 2 3 4 5 6
```

```
In [14]: 1 #4 Enter number 5
2 n=int(input("enter n:"))
3 for i in range(n):
4     for j in range(n-i):
5         print(n-j-i,end=" ")
6     print("")
```

enter n:5

```
5 4 3 2 1
4 3 2 1
3 2 1
2 1
1
```

```
In [33]: 1 #5 Enter number 4
2 n=int(input("enter n:"))
3 for i in range(n):
4     for j in range(i+1,n+1):
5         print(j,end=" ")
```

```

6     print(" ")
7
8     for i in range(n):
9         for j in range(i+1):
10             if(i!=0):
11                 print(n-i+j,end=" ")
12             if(i!=0):
13                 print(" ")

```

```

enter n:6
1 2 3 4 5 6
2 3 4 5 6
3 4 5 6
4 5 6
5 6
6
5 6
4 5 6
3 4 5 6
2 3 4 5 6
1 2 3 4 5 6

```

```

In [22]: 1 #6 Find the length of a string without using len functions
2 string=str(input("Enter string:"))
3 count=0
4 for i in string:
5     count=count+1
6 print("Length of the string is:")
7 print(count)

```

```

Enter string:ravi
Length of the string is:
4

```

```

In [23]: 1 #
2 word_count = 0
3 char_count = 0
4 usr_input = input("Enter a string : ")
5 split_string = usr_input.split()
6 word_count = len(split_string)
7 for word in split_string:
8     char_count += len(word)
9 print("Total words : {}".format(word_count))
10 print("Total characters : {}".format(char_count))

```

```

Enter a string : math
Total words : 1
Total characters : 4

```

```

In [25]: 1 string=str(input("Enter string:"))
2 word=str(input("Enter word:"))
3 a=[]
4 count=0
5 a=string.split(" ")
6 for i in range(0,len(a)):
7     if(word==a[i]):
8         count=count+1
9 print("Count of the word is:")
10 print(count)

```

```

Enter string:ravi math uru
Enter word:uru
Count of the word is:
1

```

```

In [ ]: 1

```

