

In [8]: *#1. Write a program which accepts a sequence of comma-separated numbers from console and generate a List.*
 x = input("Enter number seperated with comma : ")
 num = x.split(',')
 print("list of numbers are :", num)

Enter number seperated with comma : 2,5,6,7
 list of numbers are : ['2', '5', '6', '7']

In [104]: *#2. Create the below pattern using nested for loop in Python.*
 n = 5

```
for i in range(1,n+1):
    for j in range(i):
        print("*",end=" ")
    print()
for i in range(n-1,0,-1):
    for j in range(i):
        print("*",end=" ")
    print()
```

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

In [35]: *#3. Write a Python program to reverse a word after accepting the input from the user.*
#Input word: AcadGild

```
word = input("Please enter the word: ")
rev = word[::-1]
print("The reverse of the word you enetered is :",rev)
```

Please enter the word: AcadGild
 The reverse of the word you enetered is : dliGdacA

```
In [56]: #4. Write a Python Program to print the given string in the format specified in the sample
#Sample Output:
#WE, THE PEOPLE OF INDIA,
#   having solemnly resolved to constitute India into a SOVEREIGN, !
#   SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC
#   and to secure to all its citizens

print(" WE, THE PEOPLE OF INDIA, \n\t having solemnly resolved to constitute India into a SOVEREIGN, ! \n\t\t SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC \n\t\t and to secure to all its citizens ")
```

```
WE, THE PEOPLE OF INDIA,
    having solemnly resolved to constitute India into a SOVEREIGN, !
    SOCIALIST, SECULAR, DEMOCRATIC REPUBLIC
    and to secure to all its citizens
```