Lists

1. Write a python program to read a list of numbers from the user and print the largest number in the list.

2. Create a list of temperatures in degrees Celsius with the values: 25.2, 16.8, 31.4, 23.9, 28, 22.5, and 19.6, and assign it to a variable called **temps_in_celsius**. Then, convert all the values from temps_in_celsius into Fahrenheit, and store the converted values in a new list **temps_in_fahrenheit**. The list temps_in_celsius should remain unchanged. (**Note: F = 9/5(C) + 32**)

3. Write a program that insert numbers to a list then found the square and summation of this numbers.

4. Write a program to get the intersection between two lists .

5. Write a python program to get the frequency of the elements in a list.

6. Write a python program to print all the strings from a list.

   #Ex: li=[“red”,56,“blue”,“green”,3.6]

   #Output: red, blue , green

7. Write a python program to read a list from user and remove the duplicate items from the original list.
8. Write a python program to read a list of numbers from the user and move all zero digits to end of list.
9. Write a Python program to convert a list of characters into a string.

Nested List

1- Write a program to reverse each row and each column of a given matrix.

2- Write a program to print the str , int , float , from a given list.

List = [['Ali' , 2.4] , [7.2 , 88 ,'Ahmed'] , [5 , 'omer']]

3- Create a matrix with the below elements, then print its transpose.

list =[[3,5,8,1],[4,1,9,3],[2,7,6,4]]

4- Write a program that takes m*n matrix as input from the user and prints the even elements with their corresponding row and column number.

5- Write a program that takes 3 rows and 4 columns as input from the user and add 10 to each element in the matrix.