Python Basic Programming Assignment 10

1. Write a Python program to find sum of elements in list?

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2. Write a Python program to Multiply all numbers in the list?

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3. Write a Python program to find smallest number in a list?

4. Write a Python program to find largest number in a list?

5. Write a Python program to find second largest number in a list?

6. Write a Python program to find N largest elements from a list?

7. Write a Python program to print even numbers in a list?

```
In [106]:
  1 1=[90,1,10,5,7,113,205,60,980,56,98,26]
  2 for i in 1:
  3 # checking the reminder of each the elements in the list is 0. In this way w
         if (i%2)==0:
  4
    #If reminder iz 0, then print the same numbers
  5
             print(i)
  6
  7
90
10
60
980
56
98
26
```

8. Write a Python program to print odd numbers in a List?

```
In [111]:
  1 | 1 = [10,11,12,13,14,15,16,17,18,19,20]
  2 for i in 1:
     # checking the reminder is 1, for each element in the list. In this way we c
         if (i%2)==1:
  5
             print(i)
11
13
15
17
19
```

9. Write a Python program to Remove empty List from List?

```
In [122]:
  1 #The list consists of empty elements inside the list
  2 lis=[[1,2,3],[],[4,5,6],[],[7,8,9],[],[10,11,12]]
  3 #print the list inside the list if the lenght of the list is greater than 0
  4 print(list(filter(lambda i:len(i)>0,lis)))
```

[[1, 2, 3], [4, 5, 6], [7, 8, 9], [10, 11, 12]]

10. Write a Python program to Cloning or Copying a list?

```
In [123]:
  1 list1=[1,2,3,4,5,6,7,8]
  2 new list=list(list1)
  3 print(list1)
  4 #Coppied List
  5 print(new list)
[1, 2, 3, 4, 5, 6, 7, 8]
[1, 2, 3, 4, 5, 6, 7, 8]
```

11. Write a Python program to Count occurrences of an element in a list?