

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

In [1]:

```
1 l=[1,2,3,4,5,6,7,8]
2 print(sum(l))
```

36

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

In [2]:

```
1 l=[1,2,3,4,5,6,7]
2 k=1
3 for i in l:
4     k*=i
5 print(k)
```

5040

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

In [4]:

```
1 l=[3,4,2,1,5,7]
2 print(min(l))
```

1

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

In [6]:

```
1 l=[3,4,2,1,5,7]
2 print(max(l))
```

7

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

In [8]:

```
1 l=[3,8,4,3,4,5,6,7]
2
3 k=max(l)
4 l.remove(k)
5 print(max(l))
```

7

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

In [16]:

```
1 n=int(input())
2 l=[3,8,4,3,4,5,6,7]
3 m=list(set(l))
4 m.sort(reverse=True)
5
6 print(m[:n])
```

3

[8, 7, 6]

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

In [17]:

```
1 k=[22,11,44,21,64,80]
2 print(*[i for i in k if i%2==0])
```

22 44 64 80

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

In [18]:

```
1 k=[22,11,44,21,64,80]
2 print(*[i for i in k if i%2!=0])
```

11 21

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

In [21]:

```

1 k=[[1,2,3],[],[4,5,6],[]]
2
3 for i in k:
4     if len(i)==0:
5         k.remove(i)
6 print(k)

```

[[1, 2, 3], [4, 5, 6]]

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

In [23]:

```

1 import copy
2 l=[1,2,3,4]
3 l1=l[:]
4 l2=copy.copy(l) # shallow copy
5 l3=copy.deepcopy(l) # deepcopy
6 print(l)
7 print(l1)
8 print(l2)
9 print(l3)

```

[1, 2, 3, 4]

[1, 2, 3, 4]

[1, 2, 3, 4]

[1, 2, 3, 4]

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

In [25]:

```

1 l=[3,8,4,3,4,5,6,7]
2 t=tuple(l)
3
4 for i in set(l):
5     print(i,t.count(i))

```

3 2

4 2

5 1

6 1

7 1

8 1

