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

**def** sumofList():

in\_ele **=** int(input('Enter the No of Entries in a List: '))

in\_list **=** []

**for** itr **in** range(in\_ele):

in\_list**.**append(int(input('Enter a element: ')))

print(f'Sum of Elements: {sum(in\_list)}')

sumofList()

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

**def** mulofList():

in\_ele **=** int(input('Enter the No of Entries in a List: '))

in\_list **=** []

mul **=** 1

**for** itr **in** range(in\_ele):

in\_list**.**append(int(input('Enter a element: ')))

**for** ele **in** in\_list:

mul **=** mul **\*** ele

print(mul)

mulofList()

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

**def** smallEleInList():

in\_ele **=** int(input('Enter the No of elements in a list: '))

in\_list **=** []

**for** ele **in** range(in\_ele):

in\_list**.**append(int(input('Enter a Element: ')))

print(f'The Smallest Element in {in\_list} is {sorted(in\_list)[0]}')

smallEleInList()

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

**def** largestEleInList():

in\_ele **=** int(input('Enter the No of elements in a list: '))

in\_list **=** []

**for** ele **in** range(in\_ele):

in\_list**.**append(int(input('Enter a Element: ')))

print(f'The Largest Element in {in\_list} is {sorted(in\_list, reverse**=True**)[0]}')

largestEleInList()

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

def secondLargestEleInList():

in\_ele **=** int(input('Enter the No of elements in a list: '))

in\_list **=** []

**for** ele **in** range(in\_ele):

in\_list**.**append(int(input('Enter a Element: ')))

print(f'The Second Largest Element in {in\_list} is {sorted(in\_list, reverse**=True**)[1]}')

secondLargestEleInList()

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

**def** nLargestEleInList(k):

in\_ele **=** int(input('Enter the No of elements in a list: '))

in\_list **=** []

**for** ele **in** range(in\_ele):

in\_list**.**append(int(input('Enter a Element: ')))

print(f'The {k} Largest Element in {in\_list} is {sorted(in\_list, reverse**=True**)[0:k]}')

nLargestEleInList(4)

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

**def** evenNoInList():

in\_ele **=** int(input('Enter the No of elements in a list: '))

in\_list **=** []

even\_list **=** []

**for** ele **in** range(in\_ele):

in\_list**.**append(int(input('Enter a Element: ')))

**for** ele **in** in\_list:

**if** ele**%2** == 0:

even\_list**.**append(ele)

print(f'The Even Elements in {in\_list} are {even\_list}')

evenNoInList()

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

**def** oddNoInList():

in\_ele **=** int(input('Enter the No of elements in a list: '))

in\_list **=** []

odd\_list **=** []

**for** ele **in** range(in\_ele):

in\_list**.**append(int(input('Enter a Element: ')))

**for** ele **in** in\_list:

**if** ele**%2** != 0:

odd\_list**.**append(ele)

print(f'The Even Elements in {in\_list} are {odd\_list}')

oddNoInList()

1. **Write a Python program to Remove empty List from List?**

**def** checkEmptyList():

in\_list **=** eval(input('Enter all elements of the list: '))

**if** [] **in** in\_list:

print(f'There is an Empty list in {in\_list} at Position {in\_list**.**index([])}')

in\_list**.**remove([])

print(f'The List after removing [] is {in\_list}')

**else**:

print(f'There is no [] List in the list {in\_list}')

checkEmptyList()

1. **Write a Python program to Cloning or Copying a list?**

**import** copy

**def** cloneList():

in\_list **=** eval(input('Enter a list'))

print(in\_list, id(in\_list))

cloned\_list **=** in\_list**.**copy()

print(cloned\_list, id(cloned\_list))

cloneList()

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

**def** checkOccurence():

in\_list **=** eval(input('Enter the elements of the list: '))

in\_num **=** eval(input('Enter the element to find: '))

count **=** 0

**if** in\_num **in** in\_list:

**for** ele **in** in\_list:

**if** ele **==** in\_num:

count **=** count**+**1

print(f'There are {count} occurences of {in\_num} in {in\_list}')

checkOccurence()