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

def sum\_list(arr):

return sum(arr)

print(sum\_list([1,2,3,4]))

>>>10

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

def multiply\_list(list):

result = 1

for x in list:

result = result \* x

return result

print(multiply\_list([1,2,3,4]))

>>>24

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

def min\_element(list):

return min(list)

print(min\_element([4,2,3,5]))

>>>2

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

def max\_element(list):

return max(list)

print(max\_element([4,2,3,5]))

>>>5

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

def second\_max\_element(list):

return sorted(set(list))[-2]

print(second\_max\_element([6,2,3,5]))

>>>5

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

def n\_largest\_element(list,n):

return sorted(set(list))[-n]

print(n\_largest\_element([6,2,3,5],3))

>>>3

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

def even\_num\_list(list):

return [i for i in list if i%2==0]

print(even\_num\_list([6,2,3,5]))

>>>[6,2]

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

def odd\_num\_list(list):

return [i for i in list if i%2!=0]

print(odd\_num\_list([6,2,3,5]))

>>>[3,5]

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

def remove\_empty\_list(list):

return [i for i in list if len(i)!= 0]

print(remove\_empty\_list([[],[2,1,2,3],[2,3,4]]))

>>>[[2, 1, 2, 3], [2, 3, 4]]

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

def copy\_list(list):

return list[:]

og\_list = [6,2,3,5]

new\_list = copy\_list(og\_list)

print("ORIGINAL: ",og\_list)

print("NEW COPY: ",new\_list)

>>>

ORIGINAL: [6, 2, 3, 5]

NEW COPY: [6, 2, 3, 5]

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

def occurence\_list(list,element):

return sum([1 for i in list if i==element])

print(occurence\_list([6,2,2,3,5],2))

>>>2