1. Python Program for Find reminder of array multiplication divided by n

def find\_remainder(arr, n):

sum\_1 = reduce(lambda x, y: x\*y, arr)

     remainder = sum\_1 % n

    print(remainder)

1. Python Program to check if given array is Monotonic

def isMonotonic(A):

    return (all(A[i] <= A[i + 1] for i in range(len(A) - 1)) or

            all(A[i] >= A[i + 1] for i in range(len(A) - 1)))

1. Python program to interchange first and last elements in a list

def swapList(newList):

    size = len(newList)

    temp = newList[0]

    newList[0] = newList[size - 1]

    newList[size - 1] = temp

    return newList

1. Python program to swap two elements in a list

def swapPositions(list, pos1, pos2):

    list[pos1], list[pos2] = list[pos2], list[pos1]

    return list

1. write a program to find length of list

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

print(len(list))

1. write a program to check if element exists in list

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

for i in list:

print (“exist”)

else:

(“Not exist”)

1. write a program to clear a list in Python

list =[1,2,3,4,5]

list.clear()

print('list after clear:', list)

1. write a program to Reversing a List

lst = [10, 11, 12, 13, 14, 15]

lst.reverse()

print("Using reverse() ", lst)

1. write a program to find sum of elements in list

total = 0

list1 = [11, 5, 17, 18, 23]

for ele in range(0, len(list1)):

    total = total + list1[ele]

print("Sum of all elements in given list: ", total)

1. write a program to Multiply all numbers in the list

def multiplyList(myList) :

    result = 1

    for x in myList:

         result = result \* x

    return result