Programming Assignment – 7

Ans 1. l = [1,2,3,-412, 123, 369, 111]

arraySum = 0

for i in l:

    arraySum += i

print("Sum of array: ", arraySum)

Ans 2. l = [1,2,3,-412, 123, 369, 111]

arrayMax = -9999999999999

for i in l:

    if i > arrayMax:

        arrayMax = i

arrayMax

Ans 3. l = [1,2,3,-412, 123, 369, 111]

print("Rotated array:")

print(l[::-1])

Ans4. def splitAdd(l, split):

    '''

    l = list

    split = splitIndex

    '''

    out = []

    for i in range(len(l)):

        index = (i+len(l)+split)%len(l)

        out.append(l[index])

    return out

Ans 5. def monotonicCheck(array):

    flag = True

    if array[0] >= array[len(array)-1]:

        for i in range(len(array)-2):

            if array[i] < array[i+1]:

                flag = False

    else:

        for i in range(len(array)-2):

            if array[i] > array[i+1]:

                flag = False

    return flag