1. Write a Python Program to find the sum of arrays?

def sum\_array(arr):

return sum(arr)

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

>>>10

1. Write a Python Program to find the largest element in an array?

def max\_array(arr):

return max(arr)

print(max\_array([1,2,3,4]))

>>>4

1. Write a Python Program for array rotation?

def rotateArray(arr, n, d):

temp = []

i = 0

while (i < d):

temp.append(arr[i])

i = i + 1

i = 0

while (d < n):

arr[i] = arr[d]

i = i + 1

d = d + 1

arr[:] = arr[: i] + temp

return arr

arr = [1, 2, 3, 4, 5, 6, 7]

print("Array after left rotation is: ")

print(rotateArray(arr, len(arr), 2))

>>> Array after left rotation is:

[3, 4, 5, 6, 7, 1, 2]

1. Write a Python Program to Split the array and add the first part to the end?

def amend\_list(arr,split\_element\_value):

for i in arr:

if i <= arr[split\_element\_value]:

a = arr.pop(0)

arr.append(a)

return arr

print(amend\_list([12,3,3,2,5,3,4,2],5))

>>>[3, 4, 2, 12, 3, 3, 2, 5]

1. Write a Python Program to check if a 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)))

A = [6, 5, 4, 4]

print(isMonotonic(A))

>>> True