1. Write a Python Program to find sum of array?

def \_sum(arr):

sum=0

for i in arr:

sum = sum + i

return(sum)

arr=[]

arr = [12, 3, 4, 15]

print(\_sum(arr))

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

def largest(arr,n):

max = arr[0]

for i in range(1, n):

if arr[i] > max:

max = arr[i]

return max

arr=[5,1,2,0]

largest(arr,5)

1. Write a Python Program for array rotation?

arr = np.array(np.arange(5))

arr[::-1]

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

Arr

array([0, 1, 2, 3, 4])

arr = np.array(list(arr)[3:] + list(arr[:3]))

output:

array([3, 4, 0, 1, 2])

1. Write a 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)))

A = [6, 5, 4, 4]

print(isMonotonic(A))