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

def sum\_array(n):

sum=0

for i in n:

sum += i

return sum

n = [1,2,3,4]

print(sum\_array(n))

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

def largest\_element(n):

large = n[0]

for i in range(len(n)):

if n[i] > large :

large = n[i]

return large

n = [1,2,34,4]

print(largest\_element(n))

1. Write a Python Program for array rotation?

def rotate\_array(arr,n):

return arr[n:]+arr[:n]

my\_arr = [1,2,3,4,5]

n = 2

rotated\_array = rotate\_array(my\_arr,n)

print("Original Array: ", my\_arr)

print("Rotated Array: ", rotated\_array)

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

def split\_arr(arr,n):

return arr[n:] + arr[:n]

arr = [1,2,3,4]

n=2

print(split\_arr(arr,n))

1. Write a Python Program to check if given array is Monotonic?

def array\_monotonic(arr):

if all(arr[i] <= arr[i+1] for i in range(len(arr)-1) ):

return True

elif all(arr[i]>=arr[i+1] for i in range(len(arr)-1)):

return True

else:

return False

my\_arr = [1,2,3,4]

print(f"Is the array monotonic ? {array\_monotonic(my\_arr)}")