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

Ans.

import numpy as np

print(np.sum([1,2,3,4,5,6,7]))

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

Ans.

import numpy as np

n = np.array([1,2,3,4,5,6,7,8])

n.max()

1. Write a Python Program for array rotation?

Ans.

# main \_list is the list that you want to rotate

# n is the number of items you want to rotate

def rotate\_array(main\_list,n):

print(main\_list[n:len(main\_list)+1]+main\_list[0:n])

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

Ans.

first = np.array([1, 2, 3, 4, 5, 6, 7, 8])

split\_array = np.array\_split(first,2)

final = np.concatenate([split\_array[1],split\_array[0]])

print(final)

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

Ans.

def isMonotonic(my\_array):

if (all(my\_array[i] <= my\_array[i + 1] for i in range(len(my\_array) - 1)) or all(my\_array[i] >= my\_array[i + 1] for i in range(len(my\_array) - 1))):

print("It is monotonic")

else:

print("It is not Monotonic")