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

sum **=**0

arr **=** [1,2,3,4,5,9]

**for** i **in** range(0,len(arr)):

sum**+=**arr[i]

print("Sum : ",sum)

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

c **=** 0

arr **=** [1,2,3,4,77,9]

**for** i **in** range(0, len(arr)):

**if** c **>** arr[i]:

print(c)

**else** :

c **=** arr[i]

print("Largest element in {} is {}"**.**format(arr ,c) )

1. **Write a Python Program for array rotation?**

**def** reverseOfArray():

in\_arr **=** eval(input("Enter the Array: "))

print(f"The Reverse of Array {in\_arr} is {in\_arr[::**-**1]}")

reverseOfArray()

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

sumOfSplits():

in\_arr **=** eval(input("Enter the Array: "))

print(f"The Sum of First and Last Elements of Array {in\_arr} is {in\_arr[0]**+**in\_arr[**-**1]}")

sumOfSplits()

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

**def** checkMonotonic():

in\_arr **=** eval(input("Enter the Array: "))

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

print(f'Array {in\_arr} is Monotonic')

**else**:

print(f'Array {in\_arr} is Not Monotonic')

checkMonotonic()