Write a Python Program to find sum of array?

Answer

n=list(map(int,input("enter the elemets of array: ").strip().split(",")))

def sum\_of\_array():

sum=0

for i in range(len(n)):

sum=sum+n[i]

return sum

print("sum of array is: ",sum\_of\_array())

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

Answer

n=list(map(int,input("enter the elemets of array: ").strip().split(",")))

def largest\_element():

largest=n[0]

for i in range(1,len(n)):

if(n[i]>largest):

largest=n[i]

i=i+1

return largest

print(largest\_element())

Write a Python Program for array rotation?

Answer

# Python program to left rotate array

# Function to rotate arrays in Python

def rotateArrayLeft(arr, R, n):

for i in range(R):

firstVal = arr[0]

for i in range(n-1):

arr[i] = arr[i+1]

arr[n-1] = firstVal

# Taking array input from user

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

n = int(input("Enter number of elements of the array: "))

arr = []

print("Enter elements of the array :")

for i in range(n):

numbers = int(input())

arr.append(numbers)

R = int(input("Enter rotation count: "))

# Printing array

print("Initial Array :", end = " ")

for i in range(n):

print ("%d"% arr[i],end=" ")

# Calling function for left Rotating array

rotateArrayLeft(arr, R, n)

# Printing new array

print("\nArray after rotation: ", end = " ")

for i in range(n):

print ("%d"% arr[i],end=" ")

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

Answer

n=list(map(int,input("enter the elemets of array: ").strip().split(",")))

def array\_rotation():

n[0],n[-1]=n[-1],n[0]

return n

print(array\_rotation())

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

Answer

# Python3 program to find sum in Nth group

# 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)))

# Driver program

A = [6, 5, 4, 4]

# Print required result

print(isMonotonic(A))