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

Ans : Input : arr[] = {1, 2, 3}

Output : 6

1 + 2 + 3 = 6

Input : arr[] = {15, 12, 13, 10}

Output : 50

1. Write a Python Program to find largest element in an array?
2. Ans : #Initialize array
3. arr = [25, 11, 7, 75, 56];
5. #Initialize max with first element of array.
6. max = arr[0];
8. #Loop through the array
9. for i in range(0, len(arr)):
10. #Compare elements of array with max
11. if(arr[i] > max):
12. max = arr[i];
14. print("Largest element present in given array: " + str(max));
15. Write a Python Program for array rotation?

Ans : Input arr[] = [1, 2, 3, 4, 5, 6, 7], d = 2, n =7

1) Store all the elements in the index range d to n in a temp array

temp[] = [3, 4, 5, 6, 7]

2) Add all the elements in the index range 0 to d in the temp array

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

3) Copy the te

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

mp array to arr[]

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

Ans : Examples:

Input : arr[] = {12, 10, 5, 6, 52, 36}

k = 2

Output : arr[] = {5, 6, 52, 36, 12, 10}

Explanation : Split from index 2 and first

part {12, 10} add to the end .

Input : arr[] = {3, 1, 2}

k = 1

Output : arr[] = {1, 2, 3}

Explanation : Split from index 1 and first

part add to the end.

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

Ans : def isMonotonic(A):

    x, y = [], []

    x.extend(A)

    y.extend(A)

    x.sort()

    y.sort(reverse=True)

    if(x == A or y == A):

        return True

    return False

# Driver program

A = [6, 5, 4, 4]