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

**Ans:** arr = [1, 342, 3, 14, 45]  
sum = 0  
# Loop through the array to calculate sum of elements  
for i in range(0, len(arr)):  
 sum = sum + arr[i]  
print("Sum of all the elements of an array: " + str(sum))

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

**Ans:** lst = []  
num = int(input("Enter the size of the array: "))  
print("Enter array elements: ")  
for n in range(num):  
 numbers = int(input())  
 lst.append(numbers)  
print("The largest element of the given list is:", max(lst))

1. Write a Python Program for array rotation?

**Ans:** def rotateList(arr,d,n):  
 arr[:]=arr[d:n]+arr[0:d]  
 return arr  
# Driver function to test above function  
arr = [10, 27, 34, 42, 95, 60]  
print(arr)  
print("Rotated list is")  
print(rotateList(arr,3,len(arr)))

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

**Ans:** def splitArr(arr, n, k):  
 for i in range(0, k):  
 x = arr[0]  
 for j in range(0, n - 1):  
 arr[j] = arr[j + 1]  
 arr[n - 1] = x  
# main  
arr = [12, 10, 5, 6, 52, 36]  
n = len(arr)  
position = 2  
splitArr(arr, n, position)  
for i in range(0, n):  
 print(arr[i], end=' ')

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

**Ans:** 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, 8, 9, 0]  
print(isMonotonic(A))