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

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

sum = 0

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

sum = sum + arr[i]

print("Sum of element in array is ", sum)

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

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

max = arr[0]

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

if(arr[i] > max):

max = arr[i]

print(max)

1. Write a Python Program for array rotation?

l = [1, 2,3,4,5,6,7,8]

def rev(l):

start\_index = 0

end\_index = len(l) - 1

while end\_index > start\_index:

l[start\_index], l[end\_index] = l[end\_index], l[start\_index]

start\_index = start\_index + 1

end\_index = end\_index - 1

if \_\_name\_\_ == '\_\_main\_\_':

rev(l)

print(l)

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

arr = [12, 10, 5, 6, 52, 36]

n = len(arr)

position = 3

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

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?

def monotonic(arr):

inc = True

dec = True

for i in range(0, len(arr) - 1):

if arr[i] > arr[i+1]:

inc = False

for i in range(0, len(arr) - 1):

if arr[i] < arr[i+1]:

dec = False

return inc or dec

if \_\_name\_\_ == "\_\_main\_\_":

arr = [1, 2, 3, 4, 5, 6, 7, 8]

ans = monotonic(arr)

if ans == True:

print("Array is monotonic.")

else:

print("Array is not monotonic.")