

# Programming Basic Assignment 7

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

```
In [2]: a=[2,5,3,89,132,64,23]
sum=0
for i in a:
    sum+=i
print(sum)
```

318

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

```
In [3]: a=[2,5,3,89,132,64,23]
max=a[0]
for i in a:
    if(max<i):
        max=i
print(max)
```

132

## 3. Write a Python Program for array rotation?

```
In [8]: a=[2,5,3,89,132,64,23]
b=[]
for i in range(len(a)):
    print(i)
    b.append(a[-1-i])
print(b)
```

0  
1  
2  
3  
4  
5  
6  
[23, 64, 132, 89, 3, 5, 2]

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

```
In [10]: a=[2,5,3,89,132,64,23]
a.append(a.pop(0))
print(a)
```

[5, 3, 89, 132, 64, 23, 2]

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

```
In [15]: a=[96,55,21]
b,c=[],[]
b.extend(a)
c.extend(a)
b.sort()
c.sort(reverse=True)
if(a==b or a==c):
    print("Monotonic Array")
else:
    print("Not a Monotonic Array")
```

Monotonic Array