- **EASY**
- **Max Score: 30 Points**

Array Operations

Given an array `arr` of size `n`, Write a program to find the below 3 values.

1. Sum of all the elements in the array.
2. Average of all the elements in the array (Give the floor value).
3. Maximum element in the array.

Input Format:

First line contains `n` representing the number of elements.

Next line contains `n` space-separated integers, representing elements of the array `arr`.

Output Format:

In a single line print 3 space-separated integers representing Sum, Average and Maximum among all the array elements.

Example 1

Input

```
6
1 2 3 4 5 6
```

Output

```
21 3 6
```

Explanation:

The sum of all the elements of the array 1+2+3+4+5+6 is 21, the average (1+2+3+4+5+6)/6 is 3, and the maximum among all of them is 6.

Example 2

Input

```
5
1 0 -1 0 0
```

Output:

```
0 0 1
```

Explanation:

The sum of all the elements of the array 1+0+(-1)+0+0 is 0, the average (1+0+(-1)+0+)/5 is 0, and the maximum among all of them is 1.

Constraints:

$1 <= n <= 2*10^5$

$-10^8 <= arr[i] <= 10^8$

- Math
- Loops
- Basics
- Arrays

My code

```java
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        int n=s.nextInt();
        int arr[]=new int[n];

        for(int i=0;i<n;i++)
            arr[i]=s.nextInt();
        int sum=0;
        int max=arr[0];
            for(int i=0;i<n;i++)
                {
                    if(arr[i]>max)max=arr[i];
                    sum+=arr[i];
                }
        System.out.print(sum+" "+sum/n+" "+max);
    }
}
```