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

Array Problem 4

Write a program to find out the difference between sum of all the elements in two arrays `arr1` and `arr2`.

If sum of all elements in `arr1` is larger then, the output should be `First array is larger,`

if sum of all elements in `arr2` is larger then, the output should be `Second array is larger,`

otherwise the output should be `Both are equal.`

Input Format

First line contains n, size of the first array.

Second line contains n elements of the first array.

Third line contains m, size of the second array.

Fourth line contains m elements of the second array.

n and m will always be equal.

Output Format

Print the output as per difference.

Example 1

Input

2

```
1 2
2
3 4
```

Output

```
Second array is larger
```

Explanation

Overall sum of first array is 1+2 = 3

Overall sum of second array is 3+4 = 7

Thus, second array is larger

Example 2

Input

```
3
1 2 10
3
3 4 1
```

Output

```
First array is larger
```

Explanation

Overall sum of first array is 1+2+10 = 13

Overall sum of second array is 3+4+1 = 8

Thus, first array is larger

Example 3

Input

```
2
1 3
2
2 2
```

Output

```
Both are equal
```

Explanation

The overall sum of the first array is 1+3 = 4

The overall sum of the second array is 2+2 = 4

Thus, both are equal

Constraints

n = m

1 <= n <= 10^6

-10^6 <= arr1[i],arr2[i] <= 10^6

Follow-up

Calculate the sum of both of the arrays using 1 loop.

Topic Tags

- **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 s1=0,s2=0;
    for(int i=0;i<n;i++)
      s1+=s.nextInt();
       int m =s.nextInt();
     for(int i=0;i<m;i++)
      s2+=s.nextInt();
 //  if(m!=n) return;//no need to write
    if(s1==s2) System.out.print("Both are equal");
     if(s1>s2) System.out.print("First array is larger");
     if(s1<s2) System.out.print("Second array is larger");
     }
}
```