https://course.acciojob.com/idle?question=f1e673c7-19e4-4d17-8fdc -6780dc6c1db5

EASY

Max Score: 30 Points

#### **AS Question 2**

There are n kids with candies. You take input of an array ( candies[i] ) from the user where each candies[i] represents the number of candies the ith kid has (Each kid have atleast 1 candy).

Find out which kid has the maximum number of candies and using that information find out how many candies does the ith kid needs to have same number of candies as the kid with the maximum number of candies.

Print an array of all the deficits in the number of candies that each kid needs to have same number of candies.

#### **Input Format**

Line 1 contains an integer n denoting size of array.

Line 2 contains n single spaced integers denoting the array elements.

### **Output Format**

Print the N array elements denoting the number of candies each kid needs so that all have same number of candies.

#### **Example 1**

Input

5 7 10 4 20 15

```
Output
```

```
13 10 16 0 5
```

## Example 2

```
Input

3
1 2 3

Output
2 1 0
```

#### **Constraints**

```
0<=n<=10^6
1<=candies[i]<=10^6
```

**Topic Tags** 

# My code

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