Aim:

Write a java program to sort the given array of elements using Bubble Sort.

Input Format:

- The first line contains an integer n representing the no of elements of the array
- The second line contains n integers separated with space, representing the elements of the array

Output Format:

- The elements of the array after sorting

Source Code:

q32083/BubbleSort.java

```java
package q32083;
import java.util.Scanner;

public class BubbleSort {
    public static void main(String args[])
    {
        Scanner obj=new Scanner(System.in);
        int a=obj.nextInt();
        int arr[]=new int[a];
        for(int i=0;i<a;i++)
            {
                arr[i]=obj.nextInt();
            }
        for(int i=0;i<a;i++)
            {
                for(int j=i+1;j<a;j++)
                    {
                        if(arr[i]>arr[j])
                        {
                            int temp=arr[i];
                            arr[i]=arr[j];
                            arr[j]=temp;
                        }
                    }
            }
        for(int i=0;i<a;i++)
            System.out.print(arr[i]+" ");
    }

}
```

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Execution Results - All test cases have succeeded!

</div>

Test Case - 1
User Output
5

12 35 69 48 51
12 35 48 51 69

Test Case - 2
User Output
3
5 -1 25
-1 5 25