Aim:

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

Source Code:

q36415/BubbleSort.java

```java
package q36415;
import java.util.*;
class BubbleSort
{
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);
        int temp,i,j;
        System.out.print("Enter no of elements: ");
        int n = sc.nextInt();
        System.out.println("Enter the elements: ");
        int a[] = new int[n];
        for(i=0;i<n;i++)
        {
            a[i] = sc.nextInt();

        }
        System.out.println("Sorted elements:");
        for(i=0;i<n;i++)
        {
            for(j=0;j<(n-i-1);j++)
            {
                if(a[j]>a[j+1])
                {
                    temp=a[j];
                    a[j]=a[j+1];
                    a[j+1]=temp;
                }
            }
        }
        for(i=0;i<n;i++)
        {
            System.out.print(a[i]+" ");
        }
    }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter no of elements: 3
Enter the elements: 5 -1 25
Sorted elements:

-1 5 25

Test Case - 2
User Output
Enter no of elements: 6
Enter the elements: 15 54 87 69 32 151
Sorted elements:
15 32 54 69 87 151