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