2022-2026-CSE-AIML

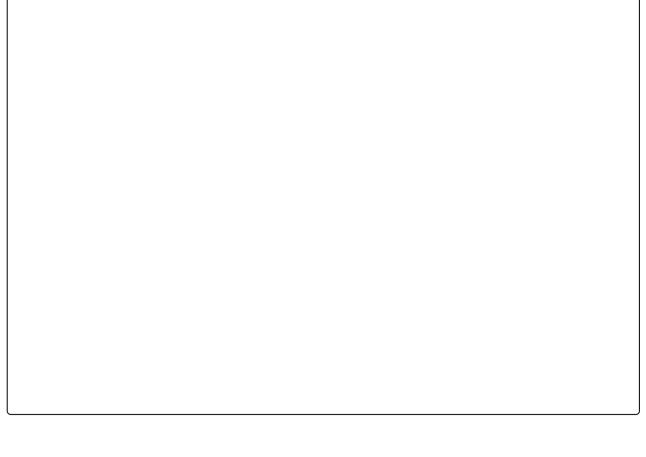
Aim:

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

Source Code:

q36415/BubbleSort.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++)</pre>
         a[i]=sc.nextInt();
      System.out.println("Sorted elements:");
      for(i=0;i<n-1;i++)</pre>
         for(j=0;j<(n-1-i);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++)</pre>
      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	