

2. Write a program in Java to find the fourth smallest element in an unsorted list

```
import java.util.Arrays;

public class FourthSmallestElement {
    public static void main(String[] args) {
        int[] list = {9, 2, 7, 4, 1, 5, 6, 3, 8};

        int fourthSmallest = findFourthSmallest(list);

        System.out.println("Fourth Smallest Element: " + fourthSmallest);
    }

    public static int findFourthSmallest(int[] list) {
        if (list.length < 4) {
            System.out.println("List size is less than 4.");
            return -1;
        }

        // Sort the array in ascending order
        Arrays.sort(list);

        // Return the fourth smallest element
        return list[3];
    }
}
```

OUTPUT:

Fourth Smallest Element: 4