

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

```
package Practice;
import java.util.Arrays;

public class FourthSmallestElement {
    public static int findFourthSmallest(int[] arr) {
        if (arr.length < 4) {
            throw new IllegalArgumentException("List must have at least 4
elements.");
        }

        Arrays.sort(arr);

        return arr[3];
    }

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

        System.out.println("Original list: " + Arrays.toString(list));
        int fourthSmallest = findFourthSmallest(list);
        System.out.println("Fourth smallest element: " + fourthSmallest);
    }
}
```

OUTPUT

```
Original list: [9, 5, 1, 7, 3, 8, 2, 6, 4]
Fourth smallest element: 4
```