

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

```
package com.assin.solution;
```

```
import java.util.Arrays;
```

```
public class SmallestElement {
```

```
    public static int findFourthSmallest(int[] arr) {
```

```
        Arrays.sort(arr);
```

```
        if (arr.length < 4) {
```

```
            throw new IllegalArgumentException("Array has less than four elements.");
```

```
        }
```

```
        return arr[3];
```

```
    }
```

```
public static void main(String[] args) {
```

```
    int[] array = {12, 3, 5, 7, 4, 19, 26};
```

```
    try {
```

```
        int fourthSmallest = findFourthSmallest(array);
```

```
        System.out.println("The fourth smallest element is: " + fourthSmallest);
```

```
    } catch (IllegalArgumentException e) {
```

```
        System.out.println(e.getMessage());
```

```
    }
```

```
}
```

```
}
```