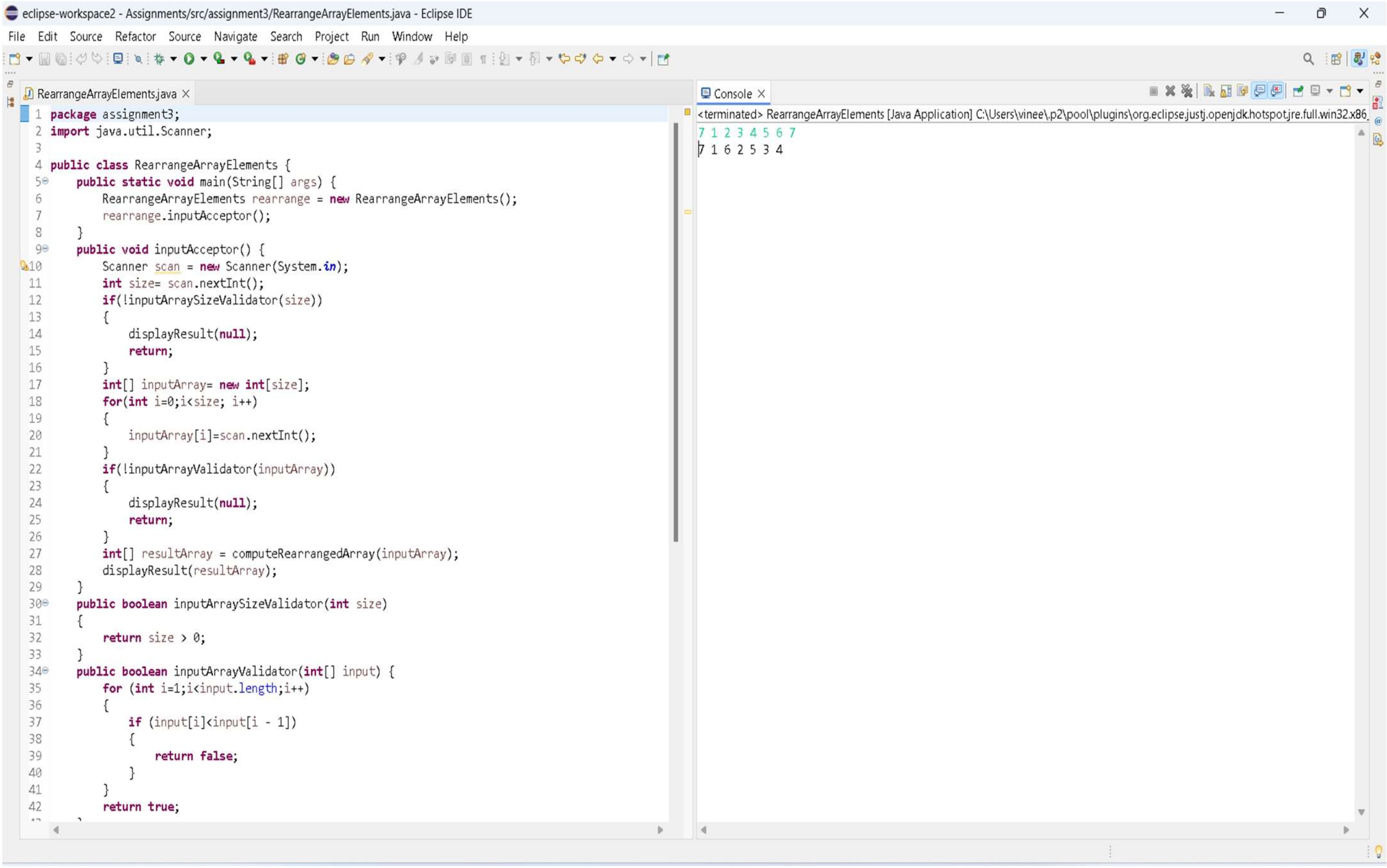
```
package assignment3;
import java.util.Scanner;

public class RearrangeArrayElements {
    public static void main(String[] args) {
        RearrangeArrayElements rearrange = new RearrangeArrayElements();
        rearrange.inputAcceptor();
    }
    public void inputAcceptor() {
        Scanner scan = new Scanner(System.in);
        int size= scan.nextInt();
        if(!inputArraySizeValidator(size))
        {
            displayResult(null);
            return;
        }
        int[] inputArray= new int[size];
        for(int i=0;i<size; i++)
        {
            inputArray[i]=scan.nextInt();
        }
        if(!inputArrayValidator(inputArray))
        {
            displayResult(null);
            return;
        }
        int[] resultArray = computeRearrangedArray(inputArray);
        displayResult(resultArray);
    }
    public boolean inputArraySizeValidator(int size)
    {
        return size > 0;
```

```
}
public boolean inputArrayValidator(int[] input) {
    for (int i=1;i<input.length;i++)
    {
        if (input[i]<input[i - 1])
        {
            return false;
        }
    }
    return true;
}
public int[] computeRearrangedArray(int[] inputArray) {
    int[] resultArray = new int[inputArray.length];
    int first = 0;
    int last = inputArray.length - 1;
    boolean flag = true;
    for (int i = 0; i < inputArray.length; i++) {
        if (flag) {
            resultArray[i] = inputArray[last--];
        } else {
            resultArray[i] = inputArray[first++];
        }
        flag = !flag;
    }
    return resultArray;
}
public void displayResult(int[] outputArray) {
    if (outputArray==null) {
        System.out.println("Give proper input");
    } else {
        for (int i:outputArray) {
            System.out.print(i + " ");
```

```
                    }
                    System.out.println();
                }
            }
        }
```



eclipse-workspace2 - Assignments/src/assignment3/RearrangeArrayElements.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
RearrangeArrayElements.java
Console

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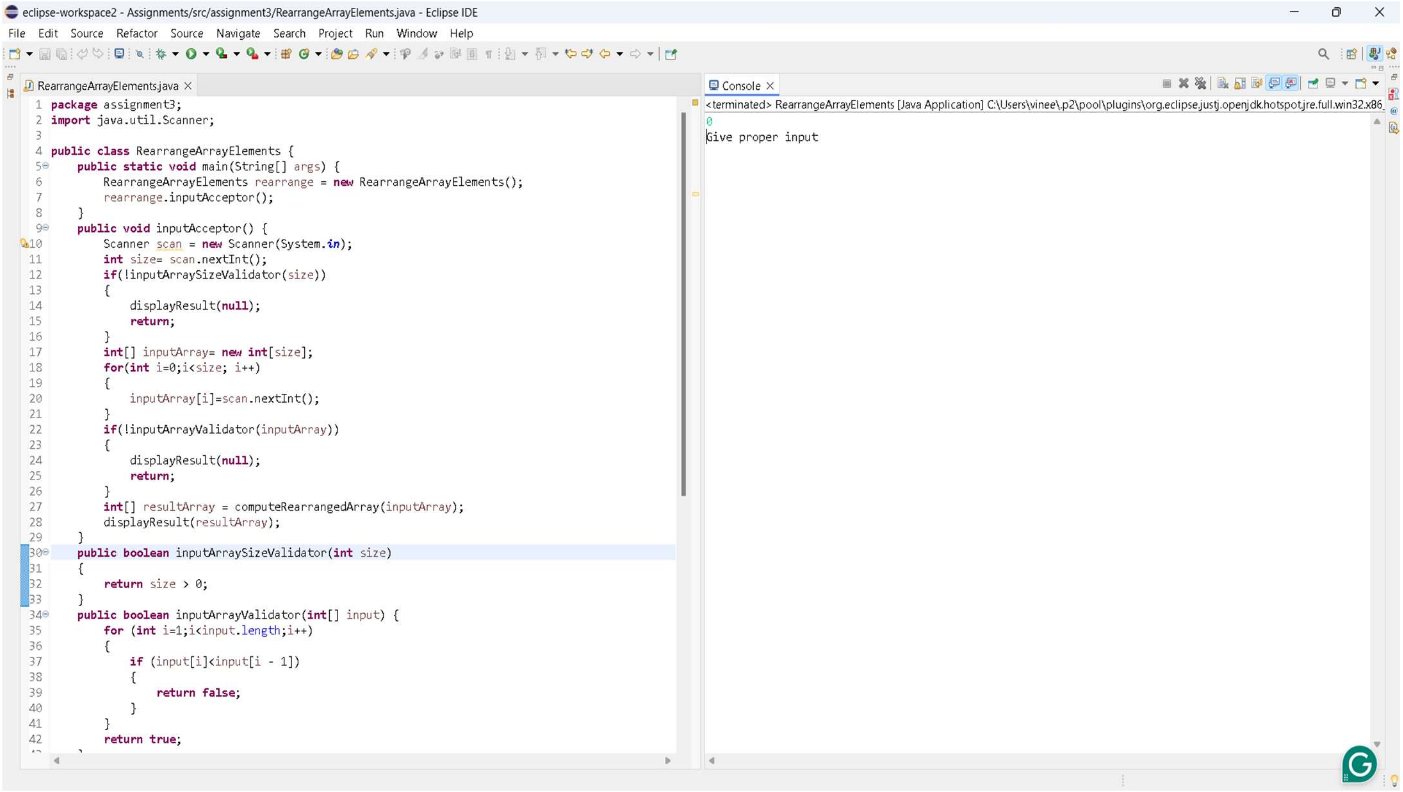
```
<terminated> RearrangeArrayElements [Java Application] C:\Users\vinee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_
7 1 2 3 4 5 6 7
7 1 6 2 5 3 4
```



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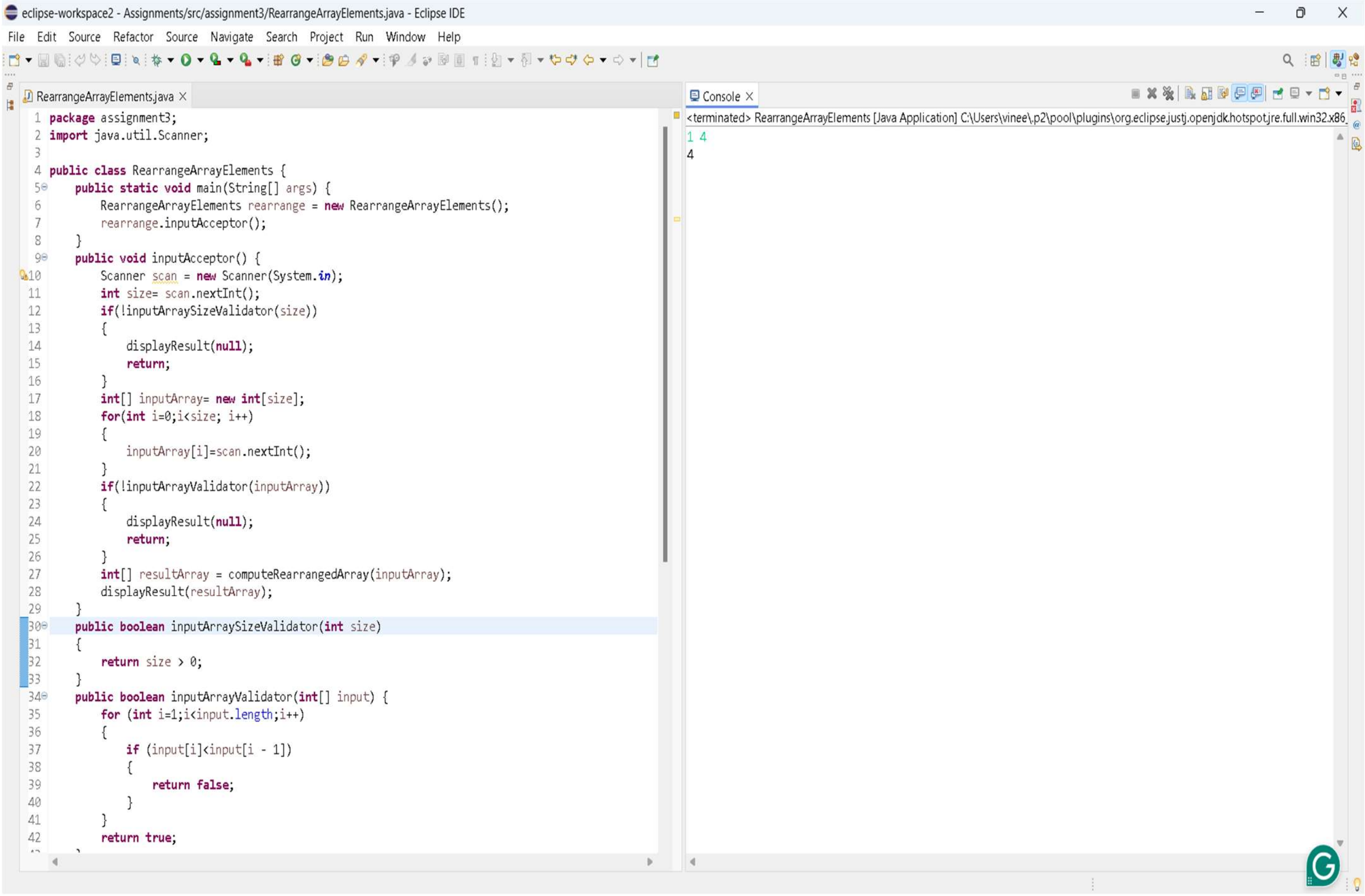
0
Give proper input
```



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1 4
4
```