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Package Explorer × | JUnit

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- spring-jdbc-project
- StreamsPack

Tabs: spring-jdbc-project/pom.xml | Client.java | EmployeeDao.java | config.xml | Employee.java | JdbcAlloperations.java | MinMaxUsingStreams.java | **AverageUsingStreams.java ×**

```java
package com.assign;
import java.util.*;
import java.util.List;
import java.util.Arrays;
import java.util.stream.Stream;
import java.util.OptionalDouble;
public class AverageUsingStreams {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the number of elements");
        int n=sc.nextInt();
        List<Integer> list=new ArrayList<>();
        System.out.println("enter the list elements");
        for(int i=0;i<n;i++) {
            list.add(sc.nextInt());
        }
        System.out.println(list);
        int sum=list.stream().
                mapToInt(Integer::intValue).sum();
        long count=list.stream().count();
        double average=(sum)/count;
        System.out.println(average);
```

Problems   Javadoc   Declaration   Console ×

<terminated> AverageUsingStreams [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (09-Jun-2024, 12:29:20 am – 12:30:15 am) [pid: 9144]

```
Enter the number of elements
5
enter the list elements
2 3 4 5 6
[2, 3, 4, 5, 6]
4.0
```

AUS - ENG
Live

Search

ENG
IN

00:30
09-06-2024

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×   JUnit

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- simple-spring-boot
- simple-springboot-mysql
- simple-spring-project
- spring-jdbc-project

Tabs: MinMaxUsingStreams.java | AverageUsingStreams.java | SumEvenOddStream.java × | VectorMinMax.java

```java
4 import java.util.stream.Stream;
5 public class SumEvenOddStream {
6     public static void main(String[] args) {
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Enter the n value");
9         int k=sc.nextInt();
10        List<Integer> list=new ArrayList<>();
11        System.out.println("Enter the elements of list");
12        for(int i=0;i<k;i++) {
13            list.add(sc.nextInt());
14        }
15        System.out.println(list);
16        int evensum=list.stream()
17                .mapToInt(Integer::intValue)
18                .filter(n->n%2==0)
19                .sum();
20        int oddsum=list.stream()
21                .mapToInt(Integer::intValue)
22                .filter(n->n%2!=0)
23                .sum();
24        System.out.println("oddsum :" +oddsum);
25        System.out.println("evensum :" +evensum);
```

Problems   Javadoc   Declaration   Console ×

<terminated> SumEvenOddStream [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (09-Jun-2024, 12:47:50 am – 12:47:58 am) [pid: 19644]

```
Enter the elements of list
2 3 4
[2, 3, 4]
oddsum :3
evensum :6
```

Writable   Smart Insert   25 : 50 : 747

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

StreamExp.java   StreamsExp2...   StreamExp3.java   TemporalOP.java   *TestDate1.java   VectorMinMax...   Listminmax.java ×

```java
3 import java.util.ArrayList;
4 public class Listminmax {
5     public static void main(String[] args) {
6         List<Integer> arr=new ArrayList<>();
7         arr.add(76);
8         arr.add(54);
9         arr.add(53);
10        arr.add(12);
11        arr.add(5689);
12        arr.add(7);
13        int min=Integer.MAX_VALUE;
14        int max=Integer.MIN_VALUE;
15        for(int i:arr) {
16            if(i>max) {
17                max=i;
18            }
19        }
20        for(int i:arr) {
21            if(i<min) {
22                min=i;
23            }
24        }
25        System.out.println("Maximum value in the list: "+ max);
26        System.out.println("Minimun value in the list: "+ min);
```

Problems Javadoc Declaration Console ×

<terminated> Listminmax [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (03-Jun-2024, 4:53:35 pm – 4:53:35 pm) [pid: 8736]

```
Maximum value in the list: 5689
Minimun value in the list: 7
```

Package Explorer ×
- Assignment
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      - VectorMinMax.java
      - VowandCon.java
- CollectionsPack
  - JRE System Library [JavaSE-18]
  - src
    - com.anurag
      - ArrayListOper.java
      - CreateArrayL.java
      - LinkedL.java
      - QueueOp.java
      - SetOp.java
      - StackOp.java
      - TreeSetOp.java
- DataBases
  - JRE System Library [JavaSE-18]
  - src
    - (default package)
      - JdbcAlloperations.java
      - JdbcInsert.java
      - JdbcSelect.java
  - Referenced Libraries
- First_project
- LambdaEx
  - JRE System Library [JavaSE-18]

Outline ×
- com.assign
- Listminmax
  - main(String[]) : void

Writable   Smart Insert   14 : 35 : 339

```java
package com.assign;
import java.util.Vector;
public class VectorMinMax {
    public static void main(String[] args) {
        Vector<Integer> vec=new Vector<>();
        vec.add(39);
        vec.add(56);
        vec.add(90);
        vec.add(43);
        vec.add(12);
        vec.add(54);
        int max=Integer.MIN_VALUE;
        for(int i: vec) {
            if(i>max) {
                max=i;
            }
        }
        int min=Integer.MAX_VALUE;
        for(int i:vec) {
            if(i<min) {
                min=i;
            }
        }
        System.out.println("maximun value is "+ max);
        System.out.println("minimum value is "+ min);
```

```
maximun value is 90
minimum value is 12
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

```java
 3 import java.util.Arrays;
 4 import java.util.List;
 5 import java.util.stream.Stream;
 6 import java.util.Optional;
 7 public class MinMaxUsingStreams {
 8     public static void main(String[] args) {
 9         Scanner sc=new Scanner(System.in);
10         System.out.println("Enter the number of elements");
11         int n=sc.nextInt();
12         List<Integer> list=new ArrayList<>();
13         System.out.println("enter the array elements");
14         for(int i=0;i<n;i++) {
15             int x=sc.nextInt();
16             list.add(x);
17         }
18         Optional<Integer> min;
19         min=list.stream()
20                 .min((a,b)->a-b);
21         System.out.println(min.get());
22         Optional<Integer> max;
23         max=list.stream()
24                 .max((a,b)->a-b);
25         System.out.println(max.get());
```

Problems   Javadoc   Declaration   Console ×

<terminated> MinMaxUsingStreams [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (08-Jun-2024, 11:54:21 pm – 11:54:33 pm) [pid: 11764]

```
Enter the number of elements
4
enter the array elements
0 6 2 8
0
8
```

Package Explorer:
- appexample
- Assignment
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- simple-springboot-mysql
- simple-spring-project
- spring-jdbc-project
- StreamsPack
- TechM

Tabs: spring-jdbc-project/pom.xml   Client.java   EmployeeDao.java   config.xml   Employee.java   JdbcAlloperations.java   MinMaxUsingStreams.java ×

```java
 4 import java.util.stream.Collectors;
 5 import java.util.stream.Stream;
 6 public class UpperLOwerCaseUsingStreams {
 7     public static void main(String[] args) {
 8         Scanner sc=new Scanner(System.in);
 9         System.out.println("Enter the number of strings into the list");
10         int n=sc.nextInt();
11         System.out.println("enter the strings");
12         sc.nextLine();
13         List<String> list=new ArrayList<>();
14         for(int i=0;i<n;i++) {
15             list.add(sc.nextLine());
16         }
17         System.out.println(list);
18         List<String> lower=list.stream()
19                             .map(String::toLowerCase)
20                             .collect(Collectors.toList());
21         List<String> upper=list.stream()
22                             .map(String::toUpperCase)
23                             .collect(Collectors.toList());
24         System.out.println("uppercase :" +upper);
25         System.out.println("lowercase :" +lower);
```

Problems ● Javadoc ⬚ Declaration ▪ Console ×

<terminated> UpperLOwerCaseUsingStreams [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (09-Jun-2024, 1:25:34 am – 1:25:55 am) [pid: 24720]

```
enter the strings
naveen
Kite
fest
[naveen, Kite, fest]
uppercase :[NAVEEN, KITE, FEST]
lowercase :[naveen, kite, fest]
```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer

- Assignment
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      - VowandCon.java
- CollectionsPack
  - JRE System Library [JavaSE-18]
  - src
    - com.anurag
      - ArrayListOper.java
      - CreateArrayL.java
      - LinkedL.java
      - QueueOp.java
      - SetOp.java
      - StackOp.java
      - TreeSetOp.java
- DataBases
  - JRE System Library [JavaSE-18]
  - src
    - (default package)
      - JdbcAlloperations.java
      - JdbcInsert.java
      - JdbcSelect.java
  - Referenced Libraries
- First_project
- LambdaEx

Tabs: StreamsExp2...   StreamExp3.java   TemporalOP.java   *TestDate1.java   VectorMinMax...   Listminmax.java   ArrayToList... ×

```java
 1 package com.assign;
 2 import java.util.Arrays;
 3 import java.util.List;
 4 import java.util.ArrayList;
 5 public class ArrayToList {
 6     public static void main(String[] args) {
 7         Integer[] arr= {1,2,3,4,5,6};
 8         List<Integer> hm=Arrays.asList(arr);
 9
10         System.out.println(hm);
11
12
13     }
14 }
15
```

Outline

- com.assign
- ArrayToList
  - main(String[]) : void

Problems   Javadoc   Declaration   Console ×

<terminated> ArrayToList [Java Application] C:\Program Files\Java\jdk-18\bin\javaw.exe (03-Jun-2024, 5:02:32 pm – 5:02:32 pm) [pid: 15456]

```
[1, 2, 3, 4, 5, 6]
```

Writable   Smart Insert   10 : 31 : 272

ENG
IN   17:02
            03-06-2024