

eclipse-workspace - samples/src/samples/ArrayToCollection.java - Eclipse IDE

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medicine.java enhancedfor... switch.java reversejava multiif.java associates.java MaxElementV... ArrayToColl... X 10

```
1 package samples;
2 import java.util.ArrayList;
3
4 public class ArrayToCollection {
5
6     public static void main(String[] args) {
7         String[] names = {"Alice", "Bob", "Charlie", "Diana"};
8
9         ArrayList<String> nameList = new ArrayList<>();
10
11         for (String name : names) {
12             nameList.add(name);
13         }
14
15         System.out.println(nameList);
16     }
17 }
```

Problems Servers Terminal Data Source Explorer Properties Console X

<terminated> ArrayToCollection [Java Application] C:\Users\sathr\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.11.v20240426-1830\jre\bin\javaw.exe (03-Jun-2024, 9:56:49)
[Alice, Bob, Charlie, Diana]

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21:56
03-06-2024

eclipse-workspace - samples/src/samples/MinMaxList.java - Eclipse IDE

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MinMaxList.java

```
1 package samples;
2 import java.util.ArrayList;
3 import java.util.Collections;
4
5 public class MinMaxList {
6
7     public static void main(String[] args) {
8         ArrayList<Integer> numbers = new ArrayList<>();
9         numbers.add(5);
10        numbers.add(2);
11        numbers.add(8);
12        numbers.add(1);
13
14        int minElement = Collections.min(numbers);
15        int maxElement = Collections.max(numbers);
16
17        System.out.println("The minimum element is: " + minElement);
18        System.out.println("The maximum element is: " + maxElement);
19    }
20 }
21
```

Problems Servers Terminal Data Source Explorer Properties Console

<terminated> MinMaxList [Java Application] C:\Users\sath\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.11.v20240426-1830\jre\bin\javaw.exe (03-Jun-2024, 9:57:53 pm -)

The minimum element is: 1
The maximum element is: 8

1: 17: 16

Type here to search

21:57
03-06-2024

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medicine.java | enhancedfor... | associates.java | MaxElementV... | ArrayToColl... | MinMaxList.java | AvgList.java X 13

```
1 package samples;
2 import java.util.ArrayList;
3 import java.util.OptionalDouble;
4 public class AvgList {
5     public static void main(String[] args) {
6         ArrayList<Integer> numbers = new ArrayList<>();
7         numbers.add(5);
8         numbers.add(2);
9         numbers.add(8);
10        numbers.add(1);
11
12        OptionalDouble average = numbers.stream()
13            .mapToInt(Integer::intValue)
14            .average();
15
16        if (average.isPresent()) {
17            System.out.println("The average of the list is: " + average.getAsDouble());
18        } else {
19            System.out.println("The list is empty.");
20        }
21    }
22 }
23
```

Problems Servers Terminal Data Source Explorer Properties Console X

<terminated> AvgList [Java Application] C:\Users\sathv\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.11.v20240426-1830\jre\bin\javaw.exe (03-Jun-2024, 9:58:26 pm - 9:59:26 pm)
The average of the list is: 4.0



eclipse-workspace - samples/src/samples/convert.java - Eclipse IDE

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convert.java

```
1 package samples;
2 import java.util.Arrays;
3 import java.util.List;
4
5 public class convert {
6     public static void main(String[] args) {
7         List<Integer> numbers = Arrays.asList(1, 2, 3, 4, 5, 6, 7, 8, 9, 10);
8
9         int sumOfEvenNumbers = numbers.stream()
10             .filter(n -> n % 2 == 0)
11             .mapToInt(Integer::intValue)
12             .sum();
13
14         int sumOfOddNumbers = numbers.stream()
15             .filter(n -> n % 2 != 0)
16             .mapToInt(Integer::intValue)
17             .sum();
18
19         System.out.println("Sum of even numbers: " + sumOfEvenNumbers);
20         System.out.println("Sum of odd numbers: " + sumOfOddNumbers);
21     }
22 }
23
```

Problems Servers Terminal Data Source Explorer Properties Console

<terminated> convert [Java Application] C:\Users\sath\p\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.11.v20240426-1830\jre\bin\javaw.exe (03-Jun-2024, 10:01:20 pm - 10:01:20 pm)
Sum of even numbers: 30
Sum of odd numbers: 25

Writable Smart Insert 1: 17: 16

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22:01
03-06-2024

eclipse-workspace - samples/src/samples/MinMax.java - Eclipse IDE

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MinMax.java

```
1 package samples;
2 import java.util.Arrays;
3 import java.util.Optional;
4 import java.util.List;
5 public class MinMax {
6
7     public static void main(String[] args) {
8         List<Integer> numbers = Arrays.asList(1, 17, 54, 14, 14, 33, 45, -11);
9
10        Optional<Integer> maxValue = numbers.stream()
11            .max(Integer::compare);
12
13        if (maxValue.isPresent()) {
14            System.out.println("Maximum value: " + maxValue.get());
15        } else {
16            System.out.println("List is empty.");
17        }
18
19        Optional<Integer> minValue = numbers.stream()
20            .min(Integer::compare);
21
22        if (minValue.isPresent()) {
23            System.out.println("Minimum value: " + minValue.get());
24        } else {
25            System.out.println("List is empty.");
26        }
27    }
28 }
29
30
```

Problems Servers Terminal Data Source Explorer Properties Console

<terminated> MinMax [Java Application] C:\Users\sathv\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.17.0.11.v20240426-1830\jre\bin\javaw.exe (03-Jun-2024, 10:04:30 pm - 10:04:30 pm)
Maximum value: 54
Minimum value: -11

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03-06-2024

eclipse-workspace - samples/src/samples/ConvertStrings.java - Eclipse IDE

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ConvertStrings.java

```
1 package samples;
2 import java.util.Arrays;
3 import java.util.List;
4 import java.util.stream.Collectors;
5
6 public class ConvertStrings {
7
8     public static void main(String[] args) {
9         List<String> colors = Arrays.asList("red", "GREEN", "BLUE", "orange");
10        List<String> upperCaseColors = colors.stream()
11            .map(String::toUpperCase)
12            .collect(Collectors.toList());
13        System.out.println("Uppercase colors: " + upperCaseColors);
14        List<String> lowerCaseColors = colors.stream()
15            .map(String::toLowerCase)
16            .collect(Collectors.toList());
17        System.out.println("Lowercase colors: " + lowerCaseColors);
18    }
19 }
20
21
```

Problems Servers Terminal Data Source Explorer Properties Console

<terminated> ConvertStrings [Java Application] C:\Users\sathv\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.11.v20240426-1830\jre\bin\javaw.exe (03-Jun-2024, 10:07:19 pm)
Uppercase colors: [RED, GREEN, BLUE, ORANGE]
Lowercase colors: [red, green, blue, orange]

