How to Convert a List to Set in Java? Step by Step Example

Now, let's see a couple of ways to convert a List to Set like HashSet in Java :

1. ArrayList to Set Conversion Example

Converting ArrayList or any other List implementation into HashSet or any other Set Implementation is not very difficult to write. In this Java tutorial, we will see a complete **code example of converting ArrayList to HashSet in Java:**

```
package test;

import java.util.ArrayList;
import java.util.HashSet;

public class ArrayListToSetConverter {

    public static void main(String args[]){

        //Creating ArrayList for converting into HashSet
        ArrayList companies = new ArrayList();
        companies.add("Sony");
        companies.add("Samsung");
        companies.add("Microsoft");
        companies.add("Intel");
        companies.add("Sony");

        System.out.println("Size of ArrayList before Converstion: " +
companies.size());
        System.out.println(companies);

        //Converting ArrayList into HashSet in Java
        HashSet companySet = new HashSet(companies);

        System.out.println("Size of HashSet after Converstion: " +
companies.size());
        System.out.println(companySet);

    }
}

Output:
Size of ArrayList before Conversation: 5
[Sony, Samsung, Microsoft, Intel, Sony]
Size of HashSet after Conversation: 5
[Sony, Microsoft, Intel, Samsung]
```

You might have noticed that the **Size of the Converted ArrayList cum HashSet is not the same** and one less than the original ArrayList **because duplicate entry "Sony"** is just one time in Set.