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Hands-on Assignments for **String Joiner class**

1. **Given an ArrayList containing n names, use StringJoiner to construct a new sequence of names separated by, (comma) and enclosed in { } brackets.**

import java.util.ArrayList;

import java.util.StringJoiner;

public class NamesJoiner {

public static void main(String[] args) {

// Create an ArrayList of names

ArrayList<String> names = new ArrayList<>(); names.add("Alice");

names.add("Bob");

names.add("Charlie"); names.add("David");

// Create a StringJoiner with comma separator, and { } as prefix/suffix StringJoiner joiner = new StringJoiner(", ", "{", "}");

// Add names from ArrayList to StringJoiner for (String name : names) {

joiner.add(name);

}

// Get the final joined string

String result = joiner.toString();

// Print result

System.out.println(result);

}

}

**Output:**

{Alice, Bob, Charlie, David}

1. **Given two StringJoiners s1 and s2 which contains n city names separated by (hyphen), display the output for the given cases:**
   1. **s1 merged to s2.**
   2. **s2 merged to s1.**

import java.util.StringJoiner; public class MergeStringJoiners {

public static void main(String[] args) {

// Create first StringJoiner with "-" as delimiter StringJoiner s1 = new StringJoiner("-", "{", "}");

s1.add("Delhi").add("Mumbai").add("Chennai");

// Create second StringJoiner with "-" as delimiter StringJoiner s2 = new StringJoiner("-", "{", "}");

s2.add("London").add("Paris").add("NewYork");

// i) s1 merged to s2 (s2 content will be added inside s1) StringJoiner merged1 = new StringJoiner("-", "{", "}"); merged1.merge(s1);

merged1.merge(s2);

System.out.println("s1 merged to s2: " + merged1);

// ii) s2 merged to s1 (s1 content will be added inside s2) StringJoiner merged2 = new StringJoiner("-", "{", "}"); merged2.merge(s2);

merged2.merge(s1);

System.out.println("s2 merged to s1: " + merged2);

}

}

**Output:**

s1 merged to s2: {Delhi-Mumbai-Chennai-London-Paris-NewYork} s2 merged to s1: {London-Paris-NewYork-Delhi-Mumbai-Chennai}