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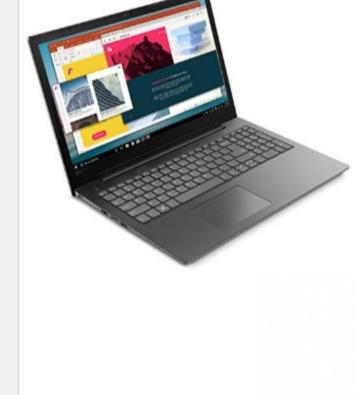
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Collections addAll() method in Java with Examples The addAll() method of java.util.Collections class is used to add all of the specified elements to the

specified collection. Elements to be added may be specified individually or as an array. The behavior of this convenience method is identical to that of c.addAll(Arrays.asList(elements)), but this method is likely to run significantly faster under most implementations. Syntax:

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public static boolean

```
addAll(Collection c, T... elements)
Parameters: This method takes the following argument as a parameter
```

Languages ▼

 c- the collection into which elements are to be inserted. elements- the elements to insert into c

- **Return Value:** This method returns true if the collection changed as a result of the call.

does not permit null elements, or if c or elements are null

Below are the examples to illustrate the addAll() method Example 1: // Java program to demonstrate

Exception: This method throws **NullPointerException** if elements contains one or more null values and c

// addAll() method

import java.util.*;

```
public class GFG1 {
   public static void main(String[] argv) throws Exception
       try {
            // creating object of List<String>
           List<String> arrlist = new ArrayList<String>();
            // Adding element to arrlist
            arrlist.add("A");
            arrlist.add("B");
           arrlist.add("C");
           arrlist.add("Tajmahal");
           // printing the arrlist before operation
           System.out.println("arrlist before operation : " + arrlist);
            // add the specified element to specified Collections
            // using addAll() method
           boolean b = Collections.addAll(arrlist, "1", "2", "3");
           // printing the arrlist after operation
           System.out.println("result : " + b);
           // printing the arrlist after operation
           System.out.println("arrlist after operation : " + arrlist);
       catch (NullPointerException e) {
           System.out.println("Exception thrown : " + e);
       catch (IllegalArgumentException e) {
```

Output:

Output:

result : true

result : true

```
arrlist after operation: [A, B, C, Tajmahal, 1, 2, 3]
Example 2: For NullPointerException
```

System.out.println("Exception thrown : " + e);

import java.util.*;

// addAll() method

// Java program to demonstrate

arrlist before operation : [A, B, C, Tajmahal]

arrlist before operation : [A, B, C, Tajmahal]

arrlist after operation: [A, B, C, Tajmahal, 1, 2, 3]

```
public class GFG1 {
   public static void main(String[] argv) throws Exception
       try {
            // creating object of List<String>
           List<String> arrlist = new ArrayList<String>();
           // Adding element to arrlist
           arrlist.add("A");
           arrlist.add("B");
           arrlist.add("C");
           arrlist.add("Tajmahal");
            // printing the arrlist before operation
           System.out.println("arrlist before operation : " + arrlist);
           // add the specified element to specified Collections
            // using addAll() method
           System.out.println("\nTrying to add the null value with arrlist");
           boolean b = Collections.addAll(null, arrlist);
            // printing the arrlist after operation
           System.out.println("result : " + b);
           // printing the arrlist after operation
           System.out.println("arrlist after operation : " + arrlist);
       catch (NullPointerException e) {
           System.out.println("Exception thrown : " + e);
       catch (IllegalArgumentException e) {
           System.out.println("Exception thrown : " + e);
```

Output:

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arrlist before operation : [A, B, C, Tajmahal]

Exception thrown: java.lang.NullPointerException

Trying to add the null value with arrlist

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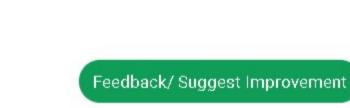
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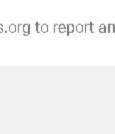
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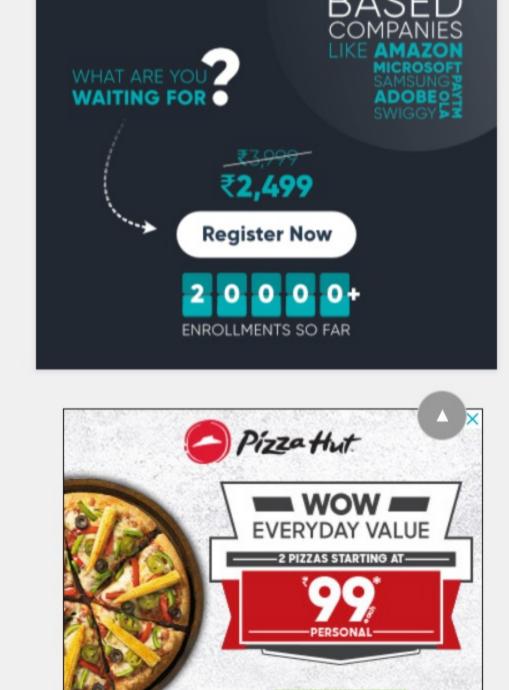
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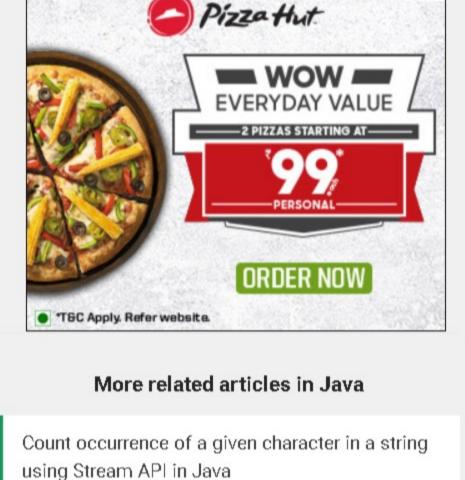
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