How to convert an Array to String in Java?

Difficulty Level : **Medium**   •   Last Updated : 30 Sep, 2019

Below are the various methods to convert an Array to String in Java:

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1. [Arrays.toString() method](#)**:** Arrays.toString() method is used to return a string representation of the contents of the specified array. The string representation consists of a list of the array's elements, enclosed in square brackets ("[]"). Adjacent elements are separated by the characters ", " (a comma followed by a space). It returns "null" if the array is null.

```java
// Java program to demonstrate
// working of Arrays.toString()

import java.io.*;
import java.util.*;

class GFG {
    public static void main(String[] args)
    {
```

```java
        // Let us create different types of arrays and
        // print their contents using Arrays.toString()
        boolean[] boolArr
            = new boolean[] { true, true, false, true };
        char[] charArr
            = new char[] { 'g', 'e', 'e', 'k', 's' };
        double[] dblArr
            = new double[] { 1, 2, 3, 4 };
        int[] intArr
            = new int[] { 1, 2, 3, 4 };
        Object[] objArr
            = new Object[] { 1, 2, 3, 4 };

        System.out.println(
            "Boolean Array: "
            + Arrays.toString(boolArr));
        System.out.println(
            "Character Array: "
            + Arrays.toString(charArr));
        System.out.println(
            "Double Array: "
            + Arrays.toString(dblArr));
        System.out.println(
            "Integer Array: "
            + Arrays.toString(intArr));
        System.out.println(
            "Object Array: "
            + Arrays.toString(objArr));
    }
}
```

Output:

```
Boolean Array: [true, true, false, true]
Character Array: [g, e, e, k, s]
Double Array: [1.0, 2.0, 3.0, 4.0]
Integer Array: [1, 2, 3, 4]
Object Array: [1, 2, 3, 4]
```

2. StringBuilder append(char[]): The
   java.lang.StringBuilder.append(char[]) is the inbuilt method which
   appends the string representation of the char array argument to this
   StringBuilder sequence.

```java
// Java program to illustrate the
// StringBuilder.append(char[]) method

import java.lang.*;

public class Geeks {

    public static void main(String[] args)
    {

        StringBuilder sbf
            = new StringBuilder("We are geeks ");
        System.out.println(sbf);

        // Char array
        char[] astr
            = new char[] { 'G', 'E', 'E', 'k', 'S' };

        // Appends string representation of char
        // array to this String Builder
        sbf.append(astr);
        System.out.println("Result after"
                           + " appending = "
                           + sbf);

        sbf = new StringBuilder("We are -");
        System.out.println(sbf);

        // Char array
        astr = new char[] { 'a', 'b', 'c', 'd' };

        /* Appends string representation of char
               array to this StringBuilder */
        sbf.append(astr);
        System.out.println("Result after appending = " + sbf);
    }
}
```

Output:

```
We are geeks
Result after appending = We are geeks GEEkS
We are -
Result after appending = We are -abcd
```

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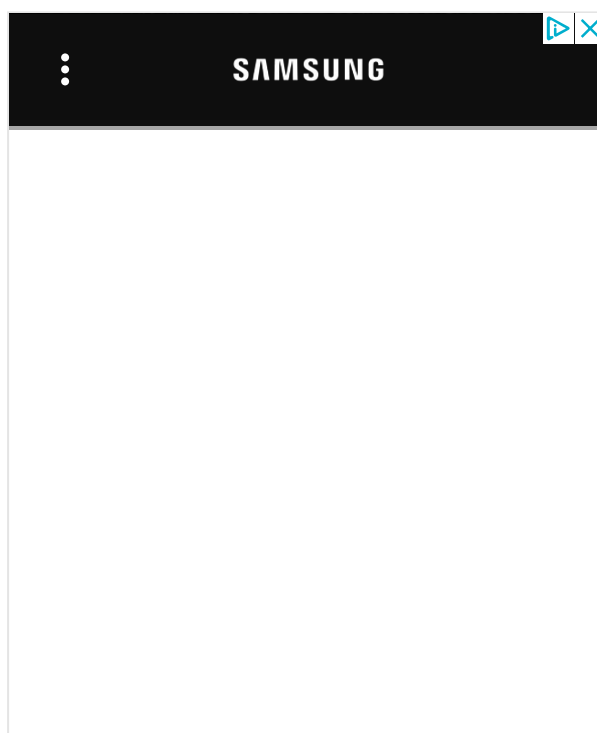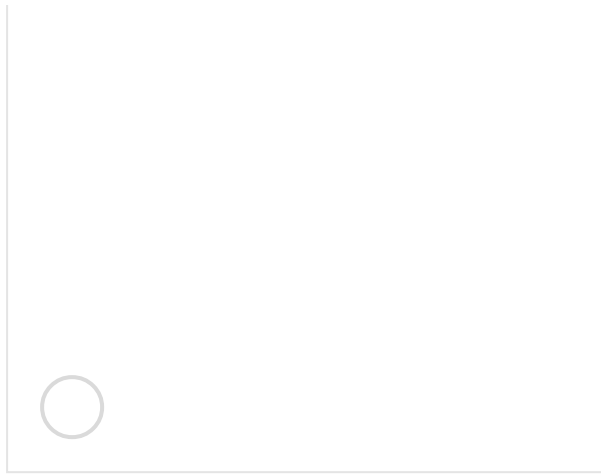**Article Tags :**   Java-Array-Programs, Java-String-Programs, Picked, Java
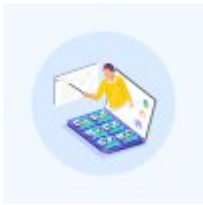
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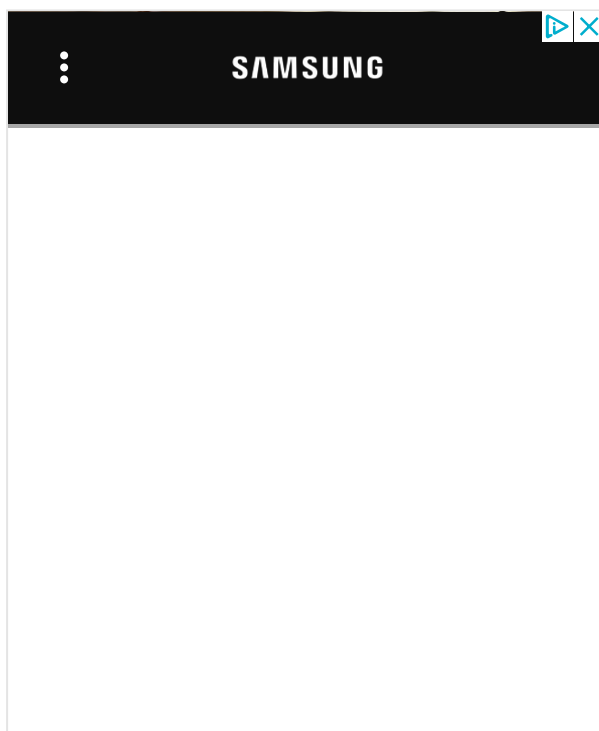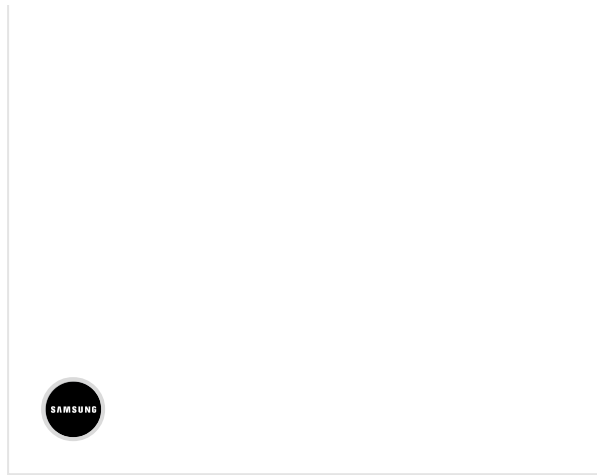
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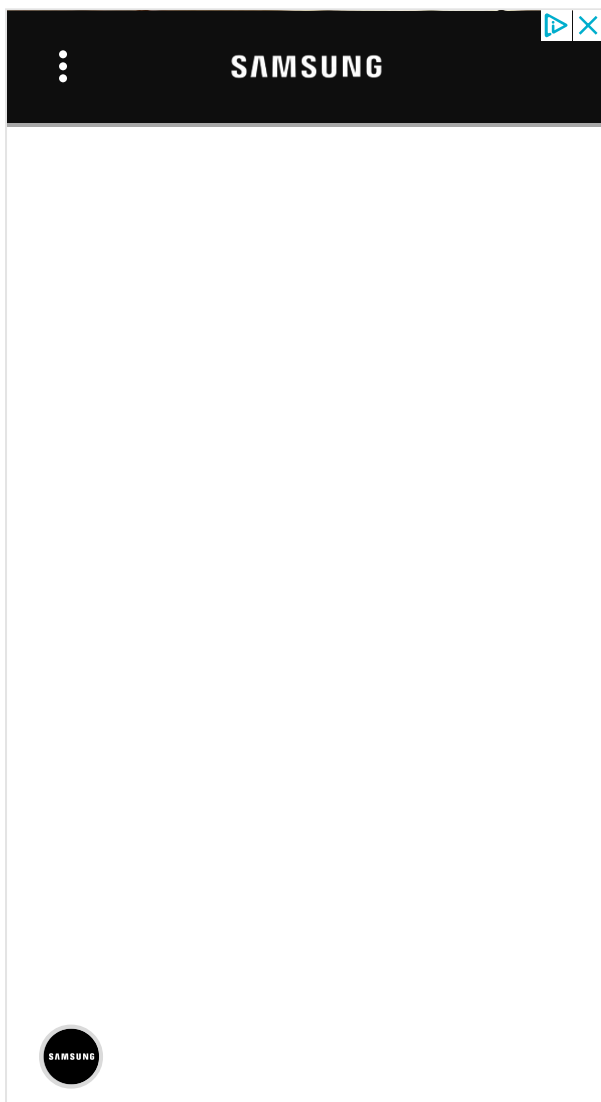How to add an element to an Array in Java?

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