

JAVA.LANG.STRINGBUILDER.INSERT METHOD

http://www.tutorialspoint.com/java/lang/stringbuilder_insert_chararray_len.htm

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Description

The **java.lang.StringBuilder.insert(int index, char[] str, int offset, int len)** method inserts the string representation of a subarray of the **str** array argument into this sequence.

The subarray begins at the specified **offset** and extends **len** chars. The characters of the subarray are inserted into this sequence at the position indicated by **index**. The length of this sequence increases by **len** chars.

Declaration

Following is the declaration for **java.lang.StringBuilder.insert** method

```
public StringBuilder insert(int index, char[] str, int offset, int len)
```

Parameters

- **index** -- This is the position at which to insert subarray.
- **str** -- This is the character array.
- **offset** -- This is the index of the first char in subarray to be inserted.
- **len** -- This is the number of chars in the subarray to be inserted.

Return Value

This method returns this object.

Exception

- **StringIndexOutOfBoundsException** -- if index is negative or greater than length, or offset or len are negative, or *offset + len* is greater than *str.length*.

Example

The following example shows the usage of `java.lang.StringBuilder.insert` method.

```
package com.tutorialspoint;

import java.lang.*;

public class StringBuilderDemo {

    public static void main(String[] args) {

        StringBuilder str = new StringBuilder("tutorial website");
        System.out.println("string = " + str);

        // character array to be inserted
        char cArr[] = { 'p', 'o', 'i', 'n', 't' };

        /* insert character array which begins at offset 9, extends
        to len 5 with specified index */
        str.insert(9, cArr, 0, 5);

        // prints StringBuilder after insertion
        System.out.print("After insertion = ");
        System.out.println(str.toString());
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
string = tutorials website  
After insertion = tutorialspoint website  
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```