

JAVA.LANG.STRINGBUILDER CLASS

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

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Introduction

The **java.lang.StringBuilder** class is mutable sequence of characters. This provides an API compatible with StringBuffer, but with no guarantee of synchronization.

Class declaration

Following is the declaration for **java.lang.StringBuilder** class:

```
public final class StringBuilder
    extends Object
    implements Serializable, CharSequence
```

Class constructors

S.N.	Constructor & Description
1	StringBuilder This constructs a string builder with no characters in it and an initial capacity of 16 characters.
2	StringBuilderCharSequenceseq This constructs a string builder that contains the same characters as the specified CharSequence.
3	StringBuilderintcapacity This constructs a string builder with no characters in it and an initial capacity specified by the capacity argument.
4	StringBuilderStringstr This constructs a string builder initialized to the contents of the specified string.

Class methods

S.N.	Method & Description
1	<u>StringBuilder appendbooleanb</u> This method appends the string representation of the boolean argument to the sequence.
2	<u>StringBuilder appendcharc</u>

This method appends the string representation of the char argument to this sequence.

3

[StringBuilder appendchar\[\]str](#)

This method appends the string representation of the char array argument to this sequence.

4

[StringBuilder appendchar\[\]str, intoffset, intlen](#)

This method appends the string representation of a subarray of the char array argument to this sequence.

5

[StringBuilder appendCharSequences](#)

This method appends the specified character sequence to this Appendable.

6

[StringBuilder appendCharSequences, intstart, intend](#)

This method appends a subsequence of the specified CharSequence to this sequence.

7

[StringBuilder appenddoubled](#)

This method appends the string representation of the double argument to this sequence.

8

[StringBuilder appendfloatf](#)

This method appends the string representation of the float argument to this sequence.

9

[StringBuilder appendinti](#)

This method appends the string representation of the int argument to this sequence.

10

[StringBuilder appendlonglng](#)

This method appends the string representation of the long argument to this sequence.

11

[StringBuilder appendObjectobj](#)

This method appends the string representation of the Object argument.

12

[StringBuilder appendStringstr](#)

This method appends the specified string to this character sequence.

13

[StringBuilder appendStringBuffersb](#)

This method appends the specified StringBuffer to this sequence.

14	<u>StringBuilder appendCodePoint</u> <i>intcodePoint</i> This method appends the string representation of the codePoint argument to this sequence.
15	<u>int capacity</u> This method returns the current capacity.
16	<u>char charAt</u> <i>intindex</i> This method returns the char value in this sequence at the specified index.
17	<u>int codePointAt</u> <i>intindex</i> This method returns the character <i>Unicodecodepoint</i> at the specified index.
18	<u>int codePointBefore</u> <i>intindex</i> This method returns the character <i>Unicodecodepoint</i> before the specified index.
19	<u>int codePointCount</u> <i>intbeginIndex, intendIndex</i> This method returns the number of Unicode code points in the specified text range of this sequence.
20	<u>StringBuilder delete</u> <i>intstart, intend</i> This method removes the characters in a substring of this sequence.
21	<u>StringBuilder deleteCharAt</u> <i>intindex</i> This method removes the char at the specified position in this sequence.
22	<u>void ensureCapacity</u> <i>intminimumCapacity</i> This method ensures that the capacity is at least equal to the specified minimum.
23	<u>void getChars</u> <i>intsrcBegin, intsrcEnd, char[]dst, intdstBegin</i> Characters are copied from this sequence into the destination character array dst.
24	<u>int indexOf</u> <i>Stringstr</i> This method returns the index within this string of the first occurrence of the specified substring.
25	<u>int indexOf</u> <i>Stringstr, intfromIndex</i>

This method returns the index within this string of the first occurrence of the specified substring, starting at the specified index.

- 26 [StringBuilder insertintoffset, booleanb](#)
- This method inserts the string representation of the boolean argument into this sequence.
- 27 [StringBuilder insertintoffset, charc](#)
- This method inserts the string representation of the char argument into this sequence.
- 28 [StringBuilder insertintoffset, char\[\]str](#)
- This method inserts the string representation of the char array argument into this sequence.
- 29 [StringBuilder insertintindex, char\[\]str, intoffset, intlen](#)
- This method inserts the string representation of a subarray of the str array argument into this sequence.
- 30 [StringBuilder insertintdstOffset, CharSequences](#)
- This method inserts the specified CharSequence into this sequence.
- 31 [StringBuilder insertintdstOffset, CharSequences, intstart, intend](#)
- This method inserts a subsequence of the specified CharSequence into this sequence.
- 32 [StringBuilder insertintoffset, doubled](#)
- This method inserts the string representation of the double argument into this sequence.
- 33 [StringBuilder insertintoffset, floatf](#)
- This method inserts the string representation of the float argument into this sequence.
- 34 [StringBuilder insertintoffset, inti](#)
- This method inserts the string representation of the second int argument into this sequence.
- 35 [StringBuilder insertintoffset, longl](#)
- This method inserts the string representation of the long argument into this sequence.
- 36 [StringBuilder insertintoffset, Objectobj](#)

This method inserts the string representation of the Object argument into this character sequence.

37

[StringBuilder insertintoffset, Stringstr](#)

This method inserts the string into this character sequence.

38

[int lastIndexOfStringstr](#)

This method returns the index within this string of the rightmost occurrence of the specified substring.

39

[int lastIndexOfStringstr, intfromIndex](#)

This method returns the index within this string of the last occurrence of the specified substring.

40

[int length](#)

This method returns the length *charactercount*.

41

[int offsetByCodePointsintindex, intcodePointOffset](#)

This method returns the index within this sequence that is offset from the given index by codePointOffset code points.

42

[StringBuilder replaceintstart, intend, Stringstr](#)

This method replaces the characters in a substring of this sequence with characters in the specified String.

43

[StringBuilder reverse](#)

This method causes this character sequence to be replaced by the reverse of the sequence.

44

[void setCharAtintindex, charch](#)

Character at the specified index is set to ch.

45

[void setLengthintnewLength](#)

This method sets the length of the character sequence.

46

[CharSequence subSequenceintstart, intend](#)

This method returns a new character sequence that is a subsequence of this sequence.

47

[String substring](#)*int start*

This method returns a new String that contains a subsequence of characters currently contained in this character sequence.

48

[String substring](#)*int start, int end*

This method returns a new String that contains a subsequence of characters currently contained in this sequence.

49

[String toString](#)

This method returns a string representing the data in this sequence.

50

[void trimToSize](#)

This method attempts to reduce storage used for the character sequence.

Methods inherited

This class inherits methods from the following classes:

- java.lang.Object
- java.lang.CharSequence

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