java.util

**Class StringTokenizer**

* [java.lang.Object](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)
  + java.util.StringTokenizer
* **All Implemented Interfaces:**

[Enumeration](https://docs.oracle.com/javase/8/docs/api/java/util/Enumeration.html)<[Object](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)>

public class **StringTokenizer**

extends [Object](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)

implements [Enumeration](https://docs.oracle.com/javase/8/docs/api/java/util/Enumeration.html)<[Object](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)>

The StringTokenizer class allows an application to break a string into tokens / substrings. The StringTokenizer methods do not distinguish among identifiers, numbers, and quoted strings, nor do they recognize and skip comments.

The set of **delimiters** (the characters that separate **tokens**) may be specified either at creation time or on a per-token basis.

A **token** is returned by taking a substring of the string that was used to create the StringTokenizer object.

The following is one example of the use of the tokenizer. The code:

StringTokenizer st = new StringTokenizer("this is a test");

while ( st.hasMoreTokens() ) {

System.out.println( st.nextToken() );

}

prints the following output:

this

is

a

test

|  |
| --- |
| **Constructors and Description** |
| [**StringTokenizer**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#StringTokenizer-java.lang.String-)(**[String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \o "class in java.lang)** str)  Constructs a string tokenizer for the specified string.  The tokenizer uses the **default** delimiter set, which is " \t\n\r\f":  the space character, the tab character, the newline character,  the carriage-return character, and the form-feed character.  Delimiter characters themselves will not be treated as tokens. |
| [**StringTokenizer**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#StringTokenizer-java.lang.String-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) delim)  Constructs a string tokenizer for the specified string.  The characters in the **delim** argument are the delimiters for separating tokens.  Delimiter characters themselves will not be treated as tokens |
| [**StringTokenizer**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#StringTokenizer-java.lang.String-java.lang.String-boolean-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) delim, boolean returnDelims)  Constructs a string tokenizer for the specified string.  The characters in the delim argument are the delimiters for separating tokens.  If the **returnDelims** flag is **true**, then the delimiter characters are also returned as tokens |

* + ***Method Summary***

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| **All Methods**[**Instance Methods**](javascript:show(2);)[**Concrete Methods**](javascript:show(8);) | |
| **Modifier and Type** | **Method and Description** |
| int | [**countTokens**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#countTokens--)()  Calculates the number of times that this tokenizer's nextToken method can be called before it generates an exception. |
| boolean | [**hasMoreElements**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#hasMoreElements--)()  Returns the same value as the hasMoreTokens method. |
| boolean | [**hasMoreTokens**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#hasMoreTokens--)()  Tests if there are more tokens available from this tokenizer's string. |
| [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) | [**nextElement**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#nextElement--)()  Returns the same value as the nextToken method, except that its declared return value is Object rather than String. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**nextToken**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#nextToken--)()  Returns the next token from this string tokenizer. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**nextToken**](https://docs.oracle.com/javase/8/docs/api/java/util/StringTokenizer.html#nextToken-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) delim)  Returns the next token in this string tokenizer's string. |