**String Class (**java.lang.String)

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| [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#String--)() | Initializes a newly created String object so that it represents an empty character sequence. |
| [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#String-char:A-)(char[] value) | Allocates a new String so that it represents the sequence of characters currently contained in the character array argument. |
| [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#String-java.lang.String-)([String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) original) | Initializes a newly created String object so that it represents the same sequence of characters as the argument; in other words, the newly created string is a copy of the argument string. |
| [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#String-java.lang.StringBuffer-)([StringBuffer](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuffer.html" \o "class in java.lang) buffer) | Allocates a new string that contains the sequence of characters currently contained in the string buffer argument. |
| [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#String-java.lang.StringBuilder-)([StringBuilder](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuilder.html" \o "class in java.lang) builder) | Allocates a new string that contains the sequence of characters currently contained in the string builder argument. |

**Important methods in String class**

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| **S No** | **Method** | **Explanation** |
| 1 | char charAt(int index) | Returns the char value at the specified index. |
| 2 | String concat(String) | Concatenates the specified string to the end of this string. |
| 3 | int indexOf(char) | Returns the index within this string of the first occurrence of the specified character. |
| 4 | int length() | Returns the length of this string. |
| 5 | String subString(int,int) | Returns a string that is a substring of this string. |
| 6 | char[] toCharArray() | Converts this string to a new character array. |
| 7 | String toUpperCase() | Converts all of the characters in this String to upper case |
| 8 | String toLowerCase() | Converts all of the characters in this String to lower case |

**StringBuffer Class (**java.lang.StringBuffer)

Mutable sequence of characters. A string buffer is like a [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html), but can be modified.

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| Constructors |
| [StringBuffer](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuffer.html#StringBuffer--)()  Constructs a string buffer with no characters in it and an initial capacity of 16 characters. |
| [StringBuffer](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuffer.html#StringBuffer-java.lang.String-)([String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Constructs a string buffer initialized to the contents of the specified string. |

**Important methods in StringBuffer class**

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| **S No** | **Method** | **Explanation** |
|  | StringBuffer append(any datatype) | Appends the string representation of the argument to the sequence. |
|  | StringBuffer delete(int,int) | Removes the characters in a substring of this sequence. |
|  | StringBuffer deleteCharAt(int) | Removes the char at the specified position in this sequence. |
|  | StringBuffer insert(int,any data type) | Inserts the string representation of the argument into this sequence. |
|  | StringBuffer reverse() | Causes this character sequence to be replaced by the reverse of the sequence. |
|  | void setCharAt(int,char) | The character at the specified index is set to ch. |