

*Code*  *at* *Random*  
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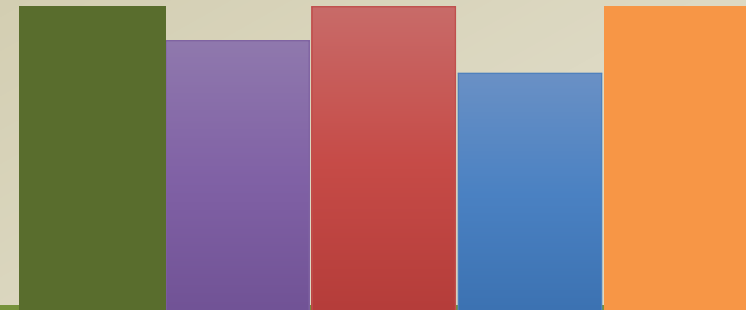
# String Class Methods in JAVA



Program

Logic

Syntax



# Methods of Strings in JAVA

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- **Java String** class provides a lot of methods to perform operations on strings such as `compare()`, `concat()`, `equals()`, `split()`, `length()`, `replace()`, `compareTo()`, `intern()`, `substring()` etc.
- The `java.lang.String` class provides many useful methods to perform operations on sequence of char values.
- Java has a lot of String methods that allow us to work with strings.
- Since String is a class in JAVA, so the methods are accessed by the String name.
- Example:
  - *`String s = sc.next();`*
  - *`int l = s.length( ); // length of the string gets stored in the variable s`*

# Important String Methods

Method	Description	Return Type
length()	Returns the length of a specified string	int
charAt( )	Returns the character at the specified index (position)	char
trim( )	Removes whitespace from both ends of a string	String
toLowerCase( )	Converts a string to lower case letters	String
toUpperCase( )	Converts a string to upper case letters	String
indexOf( )	Returns the position of the first found occurrence of specified characters in a string	int
lastIndexOf( )	Returns the position of the last found occurrence of specified characters in a string	int
concat( )	Appends a string to the end of another string	String
equals( )	Compares two strings. Returns true if the strings are equal, and false if not	boolean

# Other String Methods

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Method	Description	Return Type
<code>equalsIgnoreCase( )</code>	Compares two strings, ignoring case considerations	boolean
<code>compareTo( )</code>	Compares two strings lexicographically	int
<code>compareToIgnoreCase( )</code>	Compares two strings lexicographically, ignoring case differences	int
<code>replace( )</code>	Searches a string for a specified value, and returns a new string where the specified values are replaced	String
<code>substring( )</code>	Returns a new string which is the substring of a specified string	String
<code>startsWith( )</code>	Checks whether a string starts with specified characters	boolean
<code>endsWith( )</code>	Checks whether a string ends with the specified character(s)	boolean
<code>valueOf( )</code>	Returns the string representation of the specified value	String

# ToLowerCase( ) & ToUpperCase( )

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- These Functions are used to convert the given String to Lower Case or Upper Case.
- Example:-

```
String str = "Code At Random";
```

```
str = str.toLowerCase( );
```

```
System.out.println(str); //Output- code at random
```

```
str = str.toUpperCase( );
```

```
System.out.println(str); //Output- CODE AT RANDOM
```