String Methods

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**Why do we need String methods?**

String class contains many useful methods for string- processing applications. String methods are used to manipulate the string data.String manipulation = modifying strings based on our need. A String method is called by writing a String object, a dot, the name of the method, and a pair of parentheses to enclose any arguments. If a String method returns a value, then it can be placed anywhere that a value of its type can be used

**What is index?**

String charAt() method is used to find the character at the specified index (position). This method is going to return the character at specified index.index = position, place

NOTE: index starts from 0 -> 0,1,2,3,4,5,6…………

**What is the difference between equals() method, == and = operators?**

String equals() method is used to compare two strings.

This method is going to return true if the strings are equal, and false if not

So, the return type of this method is a boolean

**What is the difference between equals() and equalsIngoreCase() methods?**

String equals() method is used to compare two strings. This method is going to return true if the strings are equal, and false if not.String equalsIgnoreCase() method is used to compare two strings, ignoring case considerations

**What is the difference between charAt() and indexOf() methods?**

String charAt() method is used to find the character at the specified index (position). This method is going to return the character at specified index.String indexOf() method is used to find the position of the first found occurrence of specified characters in a string

This method is going to return the position as an int.

**What are the differences between substring methods and when to use one over the other?**

There are 2 substring() methods in String class that are used to extract the characters from a string.1st one can be used to extract the characters from a string, beginning at a specified start position, and through the end .This method is going to return another string. 2nd one can be used to extract the characters from a string, beginning at a specified start position, and till the specified end point.This method is going to return another string

**What is method chaining?**

We can use many methods in a single line by chaining them and this is called as method chaining in Java.