

1. Select **five** methods from the **String JavaDocs** and describe the following for each:

(a) What is the method signature?

- 1) String.length()
- 2) String.contains()
- 3) String.compareToIgnoreCase()
- 4) String.replace()
- 5) String.startsWith()

(b) What does the method do?

- 1) returns the length of the specified String
- 2) checks for strings containing the same sequence of characters
- 3) compares 2 strings ignoring case
- 4) searches for specific value then replaces that value
- 5) checks if string starts with specific character

(c) Why would this method be useful (how could you use it)?

- 1) when manipulating text
- 2) when searching for a specific text
- 3) if you are searching for a specific thing and case sensitivity doesn't matter
- 4) if you need to do a name change
- 5) if you need to find all people that start with a certain letter

<https://www.theserverside.com/blog/Coffee-Talk-Java-News-Stories-and-Opinions/Find-Java-String-Length-Example-Tutorial#:~:text=The%20String%20length%20method%20includes,eliminate%20leading%20and%20trailing%20whitespace.>

w3schools.com/java/java_ref_string.asp

2. Select **five** methods from the **Array JavaDocs** and describe the following for each:

(a) What is the method signature?

- 1) sort()
- 2) asList()
- 3) binarySearch(item to search)
- 4) pop()
- 5) push()

(b) What does the method do?

- 1) sorts array in ascending order
- 2) returns a fixed sized list of the array
- 3) searches for specified item
- 4) deletes last element in an array
- 5) adds item to an array

(c) Why would this method be useful (how could you use it)?

- 1) if you need to organize a list from a to z
- 2) easy way to read as a whole list
- 3) if you need to search a large list for a specific item
- 4) if you need to delete the last item in an array
- 5) if you need to add another item to an existing array

<https://www.geeksforgeeks.org/array-class-in-java/>

<https://www.educba.com/arrays-methods-in-javascript/>