



Most Important String Methods in Java



length()



```
String s1 = "Testing";  
System.out.println("The length of the string is: " + s1.length());  
// Output: The length of the string is: 7
```



concat()



```
String s1 = "Hello";  
String s2 = "World";  
System.out.println(s1.concat(s2)); // Approach 1  
System.out.println(s1 + s2);      // Approach 2  
// Output: HelloWorld
```



charAt()



```
String s1 = "Hello";  
System.out.println("Character at index 1: " + s1.charAt(1));  
// Output: Character at index 1: e
```



indexOf()



```
String s1 = "Hello";  
System.out.println("Index of 'e': " + s1.indexOf('e'));  
// Output: Index of 'e': 1
```



contains()



```
String s1 = "Hello";  
System.out.println("Contains 'ell': " + s1.contains("ell"));  
// Output: Contains 'ell': true
```



endsWith()



```
String s1 = "Hello";  
System.out.println("Ends with 'lo': " + s1.endsWith("lo"));  
// Output: Ends with 'lo': true
```



equals() and equalsIgnoreCase()

```
String s1 = "Hello";  
String s2 = "hello";  
System.out.println("s1 equals s2: " + s1.equals(s2));  
System.out.println("s1 equalsIgnoreCase s2: " + s1.equalsIgnoreCase(s2));  
// Output: s1 equals s2: false  
//          s1 equalsIgnoreCase s2: true
```




isEmpty()



```
String s1 = "";  
System.out.println("s1 is empty: " + s1.isEmpty());  
// Output: s1 is empty: true
```



join()



```
String[] words = {"Java", "is", "fun"};  
System.out.println(String.join(" ", words));  
// Output: Java is fun
```



lastIndexOf()



```
String s1 = "Hello";  
System.out.println("Last index of 'l': " + s1.lastIndexOf('l'));  
// Output: Last index of 'l': 3
```



replace()



```
String s1 = "Hello World";  
System.out.println(s1.replace("World", "Java"));  
// Output: Hello Java
```



replaceAll()



```
String s1 = "1 + 1 = 2";  
System.out.println(s1.replaceAll("\\d", "#"));  
// Output: # + # = #
```



split()

```
String s1 = "Java is fun";  
String[] words = s1.split(" ");  
for (String word : words) {  
    System.out.println(word);  
}  
  
// Output:  
// Java  
// is  
// fun
```



substring()



```
String s1 = "Hello World";  
System.out.println(s1.substring(0, 5));  
// Output: Hello
```



toArray()

```
String s1 = "Hello";  
char[] charArray = s1.toCharArray();  
for (char c : charArray) {  
    System.out.println(c);  
}  
  
// Output:  
// H  
// e  
// l  
// l  
// o
```




toUpperCase()



```
String s1 = "hello";  
System.out.println(s1.toUpperCase());  
// Output: HELLO
```



toLowerCase()



```
String s1 = "HELLO";  
System.out.println(s1.toLowerCase());  
// Output: hello
```



trim()



```
String s1 = " Hello World ";  
System.out.println(s1.trim());  
// Output: Hello World
```



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