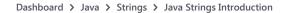
Points: 673 Rank: 3244



Java Strings Introduction **■**



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"A string is traditionally a sequence of characters, either as a literal constant or as some kind of variable." — Wikipedia: String (computer science)

This exercise is to test your understanding of Java Strings. A sample String declaration:

```
String myString = "Hello World!"
```

The elements of a String are called characters. The number of characters in a String is called the length, and it can be retrieved with the String.length() method.

Given two strings of lowercase English letters, \boldsymbol{A} and \boldsymbol{B} , perform the following operations:

- 1. Sum the lengths of \boldsymbol{A} and \boldsymbol{B} .
- 2. Determine if \boldsymbol{A} is lexicographically larger than \boldsymbol{B} (i.e.: does \boldsymbol{B} come before \boldsymbol{A} in the dictionary?).
- 3. Capitalize the first letter in \boldsymbol{A} and \boldsymbol{B} and print them on a single line, separated by a space.

Input Format

The first line contains a string $m{A}$. The second line contains another string $m{B}$. The strings are comprised of only lowercase English letters.

Output Format

There are three lines of output:

For the first line, sum the lengths of \boldsymbol{A} and \boldsymbol{B} .

For the second line, write Yes if \boldsymbol{A} is lexicographically larger than \boldsymbol{B} or No if it is not.

For the third line, capitalize the first letter in both A and B and print them on a single line, separated by a space.

Sample Input

hello java

Sample Output

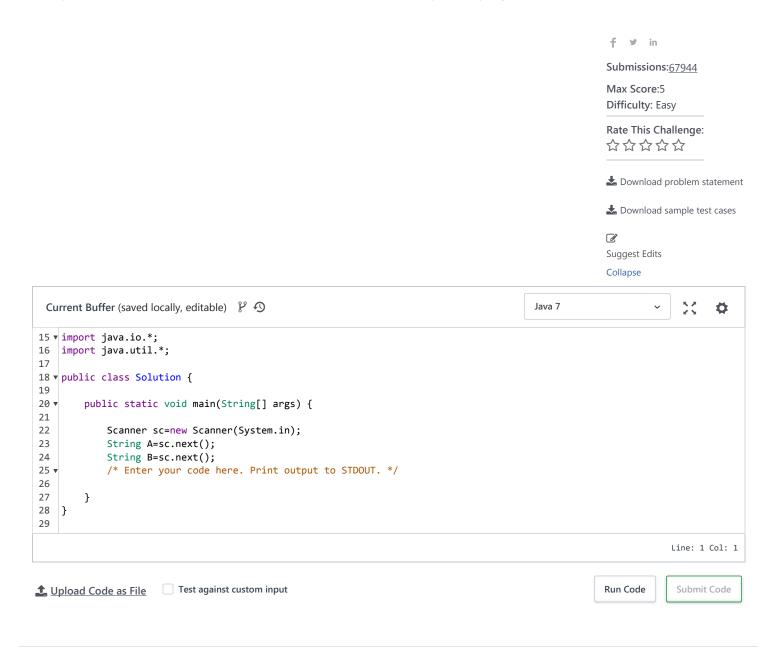
9 Hello Java

Explanation

String $m{A}$ is "hello" and $m{B}$ is "java".

 $m{A}$ has a length of $m{5}$, and $m{B}$ has a length of $m{4}$; the sum of their lengths is $m{9}$.

When sorted alphabetically/lexicographically, "hello" comes before "java"; therefore, A is not larger than B and the answer is No.



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