🗋 RemoveVowels.java ×

```java
        scanner.close();
16
17        // Call the method to remove vowels and print the result
18        String result = removeVowels(input);
19        System.out.println("String after removing vowels: " + result);
20    }
21
22    // Method to remove vowels from the input string
23    public static String removeVowels(String str) {
24        // Convert the string to uppercase for case-insensitive comparison
25        str = str.toUpperCase();
26
27        // Create a string to hold the result
28        StringBuilder result = new StringBuilder();
29
30        // Loop through each character in the string
31        for (int i = 0; i < str.length(); i++) {
32            char c = str.charAt(i);
33
34            // Check if the character is a vowel
35            if (c != 'A' && c != 'E' && c != 'I' && c != 'O' && c != 'U') {
36                result.append(c); // Append the character to result if it's not a vowel
37            }
38        }
39
40        // Return the new string with vowels removed
41        return result.toString();
42    }
43  }
44
45
46
```

Outline ×

⊞ lab11
> ⊙ RemoveVowels

Javadoc Declaration Console ×

<terminated> RemoveVowels [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_

```
Enter a word or sentence:
COMPUTER APPLICATIONS
String after removing vowels: CMPTR PPLCTNS
```

Q Search

ENG
IN

21:34
27-11-2024

Window Help

LongestWord.java ×

Outline ×

```java
10          // Input the sentence
11          System.out.print("Enter a sentence: ");
12          String sentence = scanner.nextLine();
13
14          // Split the sentence into words using space as the delimiter
15          String[] words = sentence.split(" ");
16
17          // Initialize variables to store the longest word and its length
18          String longestWord = "";
19          int maxLength = 0;
20
21          // Loop through each word in the array
22          for (String word : words) {
23              // If the current word is longer than the previously stored longest word
24              if (word.length() > maxLength) {
25                  longestWord = word;  // Update the longest word
26                  maxLength = word.length();  // Update the maximum length
27              }
28          }
29
30          // Output the longest word and its length
31          System.out.println("The longest word: " + longestWord);
32          System.out.println("The length of the word: " + maxLength);
33
34          // Close the scanner to prevent resource leak
35          scanner.close();
36      }
37  }
38
39
40
```

lab11
LongestWord

@ Javadoc   Declaration   Console ×

<terminated> LongestWord [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64

```
Enter a sentence: football
The longest word: football
The length of the word: 8
```

Q Search

Window   Help

NameShortForm.java ×

```java
             // Create a Scanner object to read input from the user
  8          Scanner scanner = new Scanner(System.in);
  9
 10          // Accept the full name from the user
 11          System.out.print("Enter full name (First Middle Last): ");
 12          String fullName = scanner.nextLine();
 13
 14          // Split the full name into an array of words (first, middle, last)
 15          String[] nameParts = fullName.split(" ");
 16
 17          // Initialize the result string to build the short form
 18          StringBuilder shortForm = new StringBuilder();
 19
 20          // Loop through the name parts except the last name
 21          for (int i = 0; i < nameParts.length - 1; i++) {
 22              // Take the first letter of the first and middle names and append "."
 23              shortForm.append(nameParts[i].charAt(0)).append(". ");
 24          }
 25
 26          // Append the last name without any modification
 27          shortForm.append(nameParts[nameParts.length - 1]);
 28
 29          // Output the short form of the name
 30          System.out.println("Short form: " + shortForm.toString());
 31
 32          // Close the scanner
 33          scanner.close();
 34      }
 35  }
 36
 37
 38
```

Outline ×

lab11
NameShortForm

Javadoc   Declaration   Console ×

<terminated> NameShortForm [Java Application] C:\Users\josej\Downloads\spring-tool-suite-4-4.26.0.RELEASE-e4.33.0-win32.win32.x86_64\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x8

```
Enter full name (First Middle Last): selin christon sofia
Short form: s. c. sofia
```

Q Search

ENG
IN

21:45
27-11-2024