```java
package lab11;


    import java.util.Scanner;

    public class RemoveVowels {
        public static void main(String[] args) {
            // Create a Scanner object to accept input from the user
            Scanner scanner = new Scanner(System.in);

            // Prompt the user for input
            System.out.println("Enter a string:");
            String input = scanner.nextLine();

            // Close the scanner
            scanner.close();

            // Call the method to remove vowels from the string and display the result
            String result = removeVowels(input);
            System.out.println("String after removing vowels: " + result);
        }

        // Method to remove vowels from a given string
        public static String removeVowels(String str) {
            // Convert the string to uppercase to make vowel comparison case-insensitive
            String upperStr = str.toUpperCase();
```

Outline

- lab11
  - RemoveVowels

Problems @ Javadoc Declaration Console X

```
Enter a string:
meena
String after removing vowels: mn
```

```java
1  package lab11;
2
3
4      import java.util.Scanner;
5
6      public class LongestWord {
7          public static void main(String[] args) {
8              // Create a Scanner object to accept input from the user
9              Scanner scanner = new Scanner(System.in);
10
11             // Prompt the user for input
12             System.out.println("Enter a string/sentence:");
13             String input = scanner.nextLine();
14
15             // Close the scanner
16             scanner.close();
17
18             // Call the method to find the longest word and its length
19             String[] words = input.split("\\s+"); // Split the sentence into words using whitespace
20             String longestWord = "";
21
22             // Loop through the words to find the longest one
23             for (String word : words) {
24                 if (word.length() > longestWord.length()) {
25                     longestWord = word; // Update longestWord if current word is longer
26                 }
```

Problems   @ Javadoc   Declaration   Console X

<terminated> LongestWord [Java Application] C:\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v20240802-1551\jr

```
Enter a string/sentence:
Hi I am Meena
The longest word: Meena
The length of the word: 5
```

```java
1  package lab11;
2
3
4      import java.util.Scanner;
5
6      public class NameAbbreviation {
7⊖         public static void main(String[] args) {
8              // Create a Scanner object to accept input from the user
9              Scanner scanner = new Scanner(System.in);
10
11             // Prompt the user for input (full name with first, middle, and last name)
12             System.out.println("Enter the full name (first, middle, last):");
13             String fullName = scanner.nextLine();
14
15             // Close the scanner
16             scanner.close();
17
18             // Split the input string into words (first, middle, last names)
19             String[] nameParts = fullName.split(" ");
20
21             // Initialize a StringBuilder to store the result
22             StringBuilder abbreviatedName = new StringBuilder();
23
24             // Process the first and middle names (if present)
25             for (int i = 0; i < nameParts.length - 1; i++) {
26                 // Take the first character of each name part and append a period
```

Problems   @ Javadoc   Declaration   🖥 Console ×

<terminated> NameAbbreviation [Java Application] C:\sts-4.26.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21.0.4.v20240802-1551\jre\bin\javaw.exe (27-Nov-20

Enter the full name (first, middle, last):
Meenaelumalai
The name in short form: Meenaelumalai