System Requirements Specification Index

For

Java Skills Evaluation

Version 1.0

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USE CASE DESCRIPTION

Use Case 1

Write a program that takes a string as input and reverses the vowels of a String. The input of an algorithm is often a string or an array.
Example:
Input-1: Hello World
Output-1: Hollo Werld
Input-2: information
Output-2: onfirmatoin

Description
1. Take console input of a string, in **main ()** method, from user
2. Pass the string to method **reverseVowels()** and write the logic in that method to convert it into reverse of vowels string.
3. Return the string from **reverseVowels()** to **main()** and display the reverse string.
4. Template Code of the same is provided at:
   com.iiht.training.reverse.ReverseVowels

Use Case 2

Write a Program to trim a given string where replace the multiple occurences of blank spaces with single space.
Example:
Input-1: how   are   you   ?
Output-1: how are you ?
Input-2:   Hi   All
Output-2: Hi All

Description
1. Take console input of a number, in **main ()** method from the user.
2. Pass the String to method **trimWhiteSpaces()** and write the logic in that method to remove the extra white spaces from the beginning, middle or end of the string and store them in a variable.
3. Return the string from **trimWhiteSpaces()** to **main()** and display the string.
4. Template Code of the same is provided at:
   com.iiht.training.trimwhitespaces.TrimWhiteSpaces

EXECUTION STEPS

1. **All actions like build, compile, running application, running test cases will be through Command Terminal.**

2. **To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) Terminal New Terminal.**

3. **This editor Auto Saves the code.**

4. **These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.**

5. **Command to run code for use-case 1:**
    ```
    sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn compile exec:java
    -Dexec.mainClass="com.iiht.training.reverse.ReverseVowels"
    ```
    *If it asks for the password, provide password : pass@word1

6. **Command to run code for use-case 2:**
    ```
    sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn compile exec:java
    -Dexec.mainClass="com.iiht.training.trimwhitespaces.TrimWhiteSpaces"
    ```
    *If it asks for the password, provide password : pass@word1

CONSIDERATIONS

1. **Mandatory: Run the following command before the final submission**

mvn test

(You can run this command multiple times to identify the test case status, and refactor code to make maximum test cases passed before final submission)

2. Your code will also be evaluated for code quality, naming conventions, readability etc.

3. **Make sure you do not modify existing class and method names and their signatures, else it would severely affect final result**

4. **Make sure you do not add any new class or methods, else it would severely affect final result**

5. **Make sure you do not modify any test cases, else it would severely affect final result**