**Arrowhead assessment**

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Part 1 - Implement the given StringTransformation functions.

* Time spent : 56 minutes (including testing)
* Added one extra test function to test removal of multiple uppercase letters.
* All the functions work as expected and pass the test cases.

Part 2 - Design a string transformation engine that utilizes all the functions developed in part 1.

* Time spent : 1 hour 10 minutes (including testing)
* Design includes a GUI which takes user input and modifies the input given on the 5 buttons each representing individual functions developed per part 1.
  + GUI also takes cares of the following corner cases:
    - If the input is empty, it outputs "Empty Input" error.
    - When trying to replace the word, if the word is not found in the main string. It outputs "Word not found" error.
    - It updates the main input sentence after any of the changes are applied to it using either of the 5 function buttons.

The zip file contains executable jar file (GUI) which can be run directly.

To run the file on Linux / Mac system

* Navigate to the jar file
* Execute "java -jar StringTransformerGUI.jar" command to run the GUI.

To run the file on Windows System

* Double click the jar file. You may need to install Java on your system in order to access the jar file.