Assessment Instructions

Instructions: Write a recursive method to determine whether a given String is a palindrome.

1. Create a new project called Palindrome in the Unit02 Assessments folder.
2. Create a classes called RecursivePalindrome and RecursivePalindromeTester in the newly created project.
3. Prompt the user to input a word or phrase.
4. Allow the user to continue entering input until they choose to quit.
5. Write a recursive method to determine if the word or phrase entered is a palindrome.
6. Write a "helper" method to deal with upper/lower case, punctuation, and spaces. This helper method should be **invoked from within** the recursive method.
7. Print a message that tells the user whether the word or phrase is a palindrome.

Grading: Your assessment will be graded according to the following rubric.

Grading Rubric	**Pts**
Comments include name, date, and purpose of program.	1
Recursive method header correctly written.	4
Base case correctly written.	3
Recursive call correctly written.	5
User prompted for input.	1
User allowed to terminate input appropriately.	2
Helper method invoked from within recursive method.	3
Helper method header correctly written.	2
Helper method pre-processes input for case, spaces, and punctuation.	4
`Main()` method in tester class correctly invokes recursive method.	1
Constructor correctly written.	1
Output is correct.	1
No compiler or runtime errors.	1
Thoughtful PMR included.	1
Total	30

Submission: Submit the RecursivePalindromeTester.java and the RecursivePalindrome.java files for a grade.