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JUnit Testing Design

**GetWordTest.java**

This test case is for the String getWord() method which returns the corresponding string property of a Word object. The assertEquals() test method is used here to verify if the return value of the method matches a literal string object “Hello”.

In the text analyzer program, this method allows for comparisons of the string property among the array of Word objects which, affects the count property and string displayed in output.

**DescendingCountTest.java**

This test case is for the Comparator<Word> descendingCount comparator which specifies the sorting order from highest to lowest int count in an array of Word objects. The assertThat() test method is used here to verify if an unordered list of Word objects that has undergone the Collections.sort() method via descendingCount is exactly the same as another Word list created with the expected order.

In the text analyzer program, this comparator is used as an argument in the Collection.sort() method which determines the display order in output.