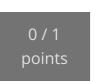
Required to pass: 80% or higher

You can retake this quiz up to 3 times every 8 hours.

Back to Week 2

Retake



Consider the first version of GladLibs we saw in this lesson, which stores label substitutions in ArrayLists. Assume an ArrayList named wordsUsed will keep track of words used as replacements so no replacement word will be used more than once. The code below was used as part of a program by a learner in the method **processWord**. The learner's program runs but still results in duplicate words sometimes.

```
1 String sub = getSubstitute(w.substring(first+1,last));
 2 - while (true) {
        if (wordsUsed.contains(sub)) {
            sub = getSubstitute(w.substring(first+1,last));
 5
 6
7 -
        else {
 8
            wordsUsed.add(sub);
9
10 }
```

sometimes?

Which one of the following best explains why this code still returns duplicates





points

Consider the first version of GladLibs we saw in this lesson, which you modified so there would not be duplicate words chosen for the story. Assume an instance variable is used to keep track of the total number of word tags that are replaced.

Which one of the following methods is most likely where that variable is updated?





Consider the class **WordFrequencies**, which you wrote in an assignment, that can determine facts about words in a file.

(You should lowercase all words and include the punctuation as part of a word. Thus,

(You should lowercase all words and include the punctuation as part of a word. Thus,

points

How many unique words are in the file **errors.txt**?

Consider the class WordFrequencies, which you wrote in an assignment, that can





points

determine facts about words in a file.



"end." is different than "end", but "All" is the same as "all".)

Which word occurs the most often in the file errors.txt?

"end." is different than "end", but "All" is the same as "all".)

points

determine facts about words in a file. Find the word that occurs the most often in the file **errors.txt**.

(You should lowercase all words and include the punctuation as part of a word. Thus, "end." is different than "end", but "All" is the same as "all".)

Consider the class WordFrequencies, which you wrote in an assignment, that can

How many times does the most common word occur?

How many speaking parts does this person have?





points

had. What is the name of the character with the third most speaking parts in the file errors.txt?

who the characters were in one of Shakespeare's plays and also how many lines they

Consider the class **CharactersInPlay**, which you wrote in an assignment, that determines

Consider the class **CharactersInPlay**, which you wrote in an assignment, that determines who the characters were in one of Shakespeare's plays and also how many lines they had.





had.

than 15 speaking parts?

reading frame that starts at position 2?

times? (Select all that are correct.)

macbeth.txt, and romeo.txt.

macbeth.txt and romeo.txt.

list of words in that category.

placed into the HashMap?

in the variable **sum**?

words.)

In which file does the word "laid" NOT appear?

Consider the class **CharactersInPlay**, which you wrote in an assignment, that determines who the characters were in one of Shakespeare's plays and also how many lines they

Find the name of the character with the third most speaking parts in the file errors.txt.



Consider the class you wrote to find out how many times each codon occurs in a strand

How many unique codons are there if you use a reading frame that starts at position 1?

of DNA based on reading frames. The file **dnaMystery2** represents a long strand of DNA.

How many characters in the file **errors.txt** have at least 10 speaking parts, but no more



points

of DNA based on reading frames. The file **dnaMystery2** represents a long strand of DNA. What is the number of occurrences of the codon that occurs the most often using a

10. Consider the class you wrote to find out how many times each codon occurs in a strand



Consider the class you wrote to find out how many times each codon occurs in a strand of DNA based on reading frames. The file **dnaMystery2** represents a long strand of DNA.



Consider the class **WordsInFiles**, which you wrote in an assignment, that determines

Consider the seven files: caesar.txt, confucius.txt, errors.txt, hamlet.txt, likeit.txt,

Consider the class **WordsInFiles**, which you wrote in an assignment, that determines

Consider the seven files: caesar.txt, confucius.txt, errors.txt, hamlet.txt, likeit.txt,

Using a reading frame that starts at position 0, which of the following codons occur 7



How many words are there that each occur in all seven files?

which words occur in several files, and for each word, which files they occur in.

which words occur in several files, and for each word, which files they occur in.





macbeth.txt and romeo.txt. How many words are there that each occur in <u>four</u> of the seven files?



which words occur in several files, and for each word, which files they occur in. Consider the seven files: caesar.txt, confucius.txt, errors.txt, hamlet.txt, likeit.txt,

14. Consider the class **WordsInFiles**, which you wrote in an assignment, that determines



points

Consider the class **WordsInFiles**, which you wrote in an assignment, that determines

Consider the seven files: caesar.txt, confucius.txt, errors.txt, hamlet.txt, likeit.txt,



macbeth.txt and romeo.txt. In which of the following files does the word "tree" appear? (Choose all that apply.)

which words occur in several files, and for each word, which files they occur in.

Consider the map version of GladLibs where a map is created that maps a category to a

Consider the map version of GladLibs where a map is created that maps a category to a list of words in that category. In which method are these individual ArrayLists of words

(Consider only the exact lowercase string "tree". "TREE" or "tree." would be different

0 / 1 points

X

In which method are the individual ArrayLists of words for categories created?

points

18. Consider the map version of GladLibs and consider the method **totalWordsInMap** that returns the total number of words in all the ArrayLists in the HashMap **myMap**.

points

Consider the map version of GladLibs and consider the method totalWordsConsidered

Which two of the following code possibilities compute this sum of total number of words



for a particular GladLib. Assume a private variable of type ArrayList<String> and named categoriesUsed is used to store the unique categories found as the GladLib is created. In which method would we put a category into this ArrayList?

that returns the total number of words in the ArrayLists of the categories that were used