

Write a spellcheck() method using an enhanced for-each loop that takes a word as a parameter and returns true if it is in the dictionary array. Return false if it is not found. Write a checkText() method that takes a String[] parameter which is a sentence of text and then calls your spellcheck method above to check if each word in that text is spelled correctly using an enhanced for-each loop. It should return a count of the misspelled words.

Run

11/2/2024, 2:25:55 PM - 6 of 6

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Reformat

Pair?

```
1 //Code by Akshat Garg
2 import java.io.*;
3 import java.nio.file.*;
4 import java.util.*;
5
6 public class Spellchecker
7 {
8     // This dictionary includes 10,000 English words read in from the dictionary
9     // file
10    private String[] dictionary = new String[10000];
11
12    public boolean spellcheck(String word){
13        boolean inArray = false;
14        for (String item : dictionary){
15            if (item.equals(word)){
16                inArray = true;
17            }
18        }
19        return inArray;
20    }
21
22    /* Write a checkText() method that takes a String[] parameter which is a sentence
23    * of text in a String array and then calls your spellcheck method above
24    * to check if each word in that text is spelled correctly.
25    * Use an enhanced for each loop.
26    * It should count and print out the misspelled words, and return the count.
27    */
28    public int checkText(String[] sentence){
29        int count = 0;
30        for (String word:sentence){
31            if (spellcheck(word) == false){
32                count++;
33                System.out.println(word);
34            }
35        }
36        return count;
37    }
38    // Do not change "throws IOException" which is needed for reading in the input
39    // file
40    public static void main(String[] args) throws IOException
41    {
42
```

```
dogz
tuu
catz is spelled correctly? false
catz is spelled correctly? true
```

Result	Expected	Actual	Notes
Pass	false	false	Checking that code contains for loop
Pass	2	2	number of spelling errors in checkText(("dogz", "are", "cool", "tuu"))
Pass	0	0	number of spelling errors in checkText(("dogs", "are", "cool", "too"))
Pass	2+ lines of output	10 lines of output	Expected output
Pass	true	true	Checking that code contains for each loop
Pass	false	false	spellcheck("dogz")
Pass	true	true	spellcheck("dog") (If false, spellcheck may be returning false too soon!)
Pass	true	true	Checking that code contains Signature public int checkText(String[])

You got 8 out of 8 correct. 100.00%

Activity: 6.3.3.1 ActiveCode (challenge-6-3-spellchecker2)

Had a pretty successful job doing this program, had some trouble forgetting the return statements in the checkText method, and in remembering to add the data type before the new variable for each value in the array. Specifically in (String item : dictionary), I forgot the String part and had to debug that part for a bit. Fixed it eventually.

Warmup-1

Simple warmup problems to get started
(solutions available)


Warmup-2

Medium warmup string/array loops (solutions available)

New...


Map-1

Basic Map get()/put(), no loops



String-1

Basic string problems -- no loops



Array-1 ★★★★★★★★★★
Basic array problems -- no loops.
✓✓✓✓✓✓✓✓✓✓✓✓✓✓...

Map-2

Maps with bulk data and loops

