

Write print10 and spellcheck methods using for loops. Spellcheck should take a word as a parameter and return true if it is in the dictionary array. Return false if it is not found.

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11/2/2024, 1:30:38 PM - 12 of 12

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```
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 has 10,000 English words read in from a dictionary file in
9     // the constructor
10    private String[] dictionary = new String[10000];
11
12    /* 1. Write a print10() method that prints out the first
13     * 10 words of the dictionary array. Do not print out the whole array!
14     */
15    public void print10(){
16        for (int i = 0 ; i < 10 ; i++){
17            System.out.println(dictionary[i]);
18        }
19    }
20
21    public boolean spellcheck(String inWord){
22        boolean inArray = false;
23        for (int i = 0 ; i < dictionary.length; i++){
24            if (dictionary[i].equals(inWord)){
25                inArray = true;
26            }
27        }
28        return inArray;
29    }
30
31    // Do not change "throws IOException" which is needed for reading in the input
32    // file
33    public static void main(String[] args) throws IOException
34    {
35        SpellChecker checker = new SpellChecker();
36
37        checker.print10();
38
39
40        String word = "catz";
41
42    }
```

```
a
aa
aaa
aaron
ab
abandoned
abc
aberddeen
abilities
ability
catz is misspelled!
cat is spelled correctly? true
```

Result	Expected	Actual	Notes
Pass	true	true	Checking that code contains checker.print10() - Did you uncomment the main method?
Pass	a aa aaa aaron ab abandoned abc aberddeen abilities ability	a aa aaa aaron ab abandoned abc aberddeen abilities ability	print10()
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 use of equals method

You got 5 out of 5 correct. 100.00%

Activity: 6.2.6.2 ActiveCode (challenge-6-2-spellchecker)

I did forget for a second that I should use `.equals()` instead of just `==`, so I was stuck with 3 of 5 test cases complete. Looking back on my code and the fact that they are string objects, I realized what I should use and fixed it. It's interesting to use this code with actual datasets and get accurate results.