

Java → Basic syntax and simple programs → Strings → Processing strings

Processing strings → Find the first occurrence of the word "the"

Hard 8 minutes

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Write a program that takes a sentence as input and returns the index of the first occurrence of the word "the" (can be part of a word), regardless of the capitalization. If there is no occurrence of it must output -1.

For instance, if the sentence is "The apple is red." the output should be 0, if the sentence is "I ate the red apple." the output should be 6, and if the sentence is "I love apples." the output should be -1.

Note, the and The are equal.

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Sample Input 1:

The apple is red.

Sample Output 1:

0

Sample Input 2:

I ate the red apple.

Sample Output 2:

6

Write a program

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```
1 import java.util.*;
2
3 class Main {
4     public static void main(String[] args) {
5         // put your code here
6         Scanner scanner = new Scanner(System.in);
7         String inputString = scanner.nextLine();
8         System.out.println(checkThe(inputString));
9         scanner.close();
10    }
11    public static int checkThe(String inputString) {
12        String theString = "the";
13        int index = inputString.toLowerCase().indexOf(theString);
14        if (index >= 0) {
15            return index;
16        } else {
17            return -1;
18        }
19    }
20
21 }
22
```

Correct.

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