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import java.util.*;

public class Day6 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        // TODO Auto-generated method stub

        String[] words = {"Car","Truck"};

        System.out.println("Enter paragraph");

        String paragraph = sc.nextLine();

        countOccurrence(words, paragraph.toLowerCase());

        System.out.println("Enter paragraph");

        paragraph = sc.nextLine();

        System.out.println("Enter word");

        String word = sc.nextLine();

        wordOccurrence(paragraph.toLowerCase(), word);

        System.out.println(palCheck("Nitin"));

        System.out.println("Enter paragraph");

        String paragraph = sc.nextLine();

        System.out.println(wordCount(paragraph));

    }

    public static void countOccurrence(String[] words , String paragraph) {

        for(String word : words) {

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        word = word.toLowerCase();

        int count = 0;

        int index = 0;

        while((index = paragraph.indexOf(word, index)) != -1) {
            count++;

            index += word.length();
        }

        System.out.println("Count of "+word+" is "+count);
    }
}

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public static void wordOccurrence(String paragraph , String word) {
    word = word.toLowerCase();

    int count = 0;

    int index = 0;

    while((index = paragraph.indexOf(word, index)) != -1) {
        count++;

        index += word.length();
    }

    System.out.println("Count of "+word+" is "+count);
}

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public static boolean palCheck(String word) {

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word = word.toLowerCase();

int l = 0;

int r = word.length()-1;

while(l<r) {

    if(word.charAt(r) != word.charAt(l)) {

        return false;

    }

    l++;

    r--;

}

return true;

}

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public static int wordCount1(String sentence) {

    sentence = sentence.trim();

    String[] words = sentence.split("\\s+");

    return words.length;

}

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public static int wordCount(String sentence) {

    int count = 0;

    boolean isWord = false;

    char[] words = sentence.toCharArray();

    int n = words.length-1;

    for(int i = 0 ; i <= n ; i++) {

        if(Character.isLetter(words[i]) && i!=n) {

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        isWord = true;
    }

    else if(!Character.isLetter(words[i]) && isWord) {
        isWord = false;
        count ++;
    }

    else if(Character.isLetter(words[i]) && i==n) {
        count ++;
    }
}

return count;
}
}
```