

# JAVA Logic Placement Preparation Test 5

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Q.1) Store 2 string in an array eg. [“Car”, “Truck”,] Write a statement having words Car and Truck. Count occurrence of Car and Truck in given paragraph. Eg. Input I have 2 Car one is Baleno Car and other is Farari Car but Truck is used for transportation. Car occurred 3 time Truck Occurred 1 time

```
package placement_prep_test;

import java.util.Scanner;

public class Ques1 {

    public static void cnt()
    {
        String[] arr= {"Car","Truck"};

        Scanner sc=new Scanner(System.in);
        System.out.print("Enter a paragraph: ");
        String paragraph=sc.nextLine();

        String lowerParagraph=paragraph.toLowerCase();
        for(String word:arr)
        {
            String lowerWord=word.toLowerCase();

            int index=0;
            int count=0;
            while((index=lowerParagraph.indexOf(lowerWord,index))!=
1)
            {
                count++;
                index=index+lowerWord.length();
            }
            System.out.println(lowerWord + " occurred " + count + " "
time(s));
        }
    }
}
```

```

    public static void main(String[] args) {
        cnt();
    }
}

```

**Q.2)** Accept a sentence, accept a word and count occurrence of that word. Input: Wel come to CDAC it offers DAC in All CDAC centre. Input DAC O/P DAC occurred 3 times

```

package placement_prep_test;

import java.util.Scanner;
public class Ques2 {

    public static void wordCount()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter a sentence:");
        String sentence = sc.nextLine();

        // Accept word
        System.out.println("Enter a word to search:");
        String word = sc.nextLine();

        sentence=sentence.toLowerCase();
        word=word.toLowerCase();

        int count=0;
        int index=0;

        while((index=sentence.indexOf(word,index))!=-1)
        {
            count++;
            index=index+ word.length();
        }
        System.out.println("Word "+word+" occured ==> "+count);

    }
    public static void main(String[] args) {
        wordCount();
    }
}

```

**Q.3)** Accept a name from user and check if it is palindrome or not

```
package placement_prep_test;

import java.util.Scanner;

public class Ques3 {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a word: ");
        String name=sc.next();

        char ch[]=name.toCharArray();
        boolean flag=true;
        int l=ch.length;

        int left=0;
        int right=l-1;

        while(left<=right)
        {
            if(ch[left]!=ch[right])
            {
                flag=false;
                break;
            }
            else
            {
                left++;
                right--;
            }
        }
        if(flag)
        {
            System.out.println("String is palindrome");
        }
        else
        {
            System.out.println("String is not palindrome");
        }
        sc.close();
    }
}
```

**Q.4)** Accept a sentence from user and count total number of words.

```
package placement_prep_test;

import java.util.Scanner;

public class Ques4 {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter a sentence: ");
        String sentence=sc.nextLine();

        String[] words = sentence.trim().split("\\s+");
        int count = sentence.trim().isEmpty() ? 0 : words.length;

        System.out.println("Total number of words: " + count);

        sc.close();
    }
}
```