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## JAVA Logic Placement Prep 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

```
public class FirstDemo {  
  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
        String arr[] ={"Car", "Truck"};  
  
        String para = sc.nextLine();  
        para=para.toLowerCase();  
  
        for(String word : arr) {  
            int count=0;  
            int index=0;  
  
            word = word.toLowerCase();  
  
            while((index=para.indexOf(word,index))!=-1) {  
  
                count++;  
                index=index+word.length();  
            }  
  
            System.out.println(word + " " + count);  
        }  
    }  
}
```

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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 time

```
public class FirstDemo {  
  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
  
        String para = sc.nextLine();  
        para=para.toLowerCase();  
  
        String word = sc.nextLine();  
  
        int count=0;  
        int index=0;  
  
        word = word.toLowerCase();  
  
        while((index=para.indexOf(word,index))!=-1) {  
  
            count++;  
            index=index+word.length();  
        }  
  
        System.out.println(word + " " + count);  
  
    }  
}
```

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

```
public class FirstDemo {  
  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
        String name=sc.nextLine();  
  
        isplaindrome(name);  
  
    }  
}
```

```

    }

    public static void isplaindrome(String name) {

        boolean flag=true;
        char ch[]=name.toCharArray();
        for(int i=0;i<ch.length/2;i++) {

            if(ch[i]!=ch[ch.length-1-i])
                flag=false;
        }

        if(flag)
            System.out.println("Palindrome");
        else
            System.out.println("Not a Palindrome");

    }

}

```

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

```

public class FirstDemo {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String word=sc.nextLine();

        System.out.println(count(word));

    }

    public static int count(String word)
    {
        if(word==null || word.isEmpty()) {
            return 0;
        }

        int wordcount=0;
        boolean isword=false;
        int eol=word.length()-1;
    }

```

```
char ch[]=word.toCharArray();

for(int i=0;i<word.length();i++) {

    if(Character.isLetter(ch[i]) && i!=eol) {
        isword=true;
    }
    else if(!Character.isLetter(ch[i]) && isword) {
        wordcount++;
        isword=false;
    }else if(Character.isLetter(ch[i]) && i==eol) {
        wordcount++;
    }

}

return wordcount;

}
```

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