```java
/*Q1.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 */

import java.util.Scanner;

public class Q1 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

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

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

        String p = sc.nextLine();

        String lowerParagraph = p.toLowerCase();

        for (String s : words) {

            String lowerWord = s.toLowerCase();

            int count = 0;

            int index = 0;

            while ((index = lowerParagraph.indexOf(lowerWord, index)) != -1) {

                count++;

                index += lowerWord.length();

            }

            System.out.println(s + " occurred " + count + " times");

        }

    }

}
```

```java
/*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

 */
import java.util.Scanner;
public class Q2 {
  public static void main(String[] args) {
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter a secentance:");
    String str=sc.nextLine();
    System.out.println("enter word to search:");
    String word=sc.nextLine();
    int count = 0;
    int index = 0;
    str = str.toLowerCase();
    word = word.toLowerCase();
   while ((index = str.indexOf(word, index)) != -1) {
       count++;
       index = index + word.length();
    }
    System.out.println(word + " occurred " + count +" numbers of time.");
  }
}
```

```java
/*Q.3) Accept a name from user and check if it is palindrome or not
 */
import  java.util.Scanner;
public class Q3 {
   public static void main(String[] args) {


      Scanner sc=new Scanner(System.in);

      System.out.println("enetr a string:");

      String s1=sc.nextLine();

       char[] ch = s1.toCharArray();

       int l=ch.length;

       boolean flag=false;

       for(int i=0;i<l/2;i++)

         {

          if(ch[i]!=ch[l-1-i])

          {

             flag=true;

             break;

          }

         }

      if (flag == true)

         System.out.println("Not a palindrome string");

      else

         System.out.println("it is a Palindrome string");

   }

}
```

```java
/*Q.4) Accept a sentence from user and count total number of words.  */
public class Q4 {

    public static int count(String word){

        if(word==null||word.isEmpty()){

            return 0;

        }

        int wordcnt=0;

        boolean isword=false;

        int end=word.length();

        char[] characters = word.toCharArray();

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

            if(Character.isLetter(characters[i]) && i != end)

            {

                isword=true;

            }

            else if(!Character.isLetter(characters[i])&& isword)

            {

                wordcnt++;

                isword=false;

            }

            else if(Character.isLetter(characters[i]) && i == end)

            {

                wordcnt++;

            }

        }

        return wordcnt;
```

```java
    }


    public static void main(String[] args) {

        System.out.println(count("  hellow my name is  kc bye "));

    }
}
```