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 logic;
import java.util.*;

public class WordArrayCount {

public static void main(String[] args) {
Scanner sc = new Scanner(System.in);

String[] words = { "Car", "Truck" };
System.out.println("Enter a paragraph: ");
String para = sc.nextLine();
String lowerpara = para.toLowerCase();

for (String word : words) {
String lowerword = word.toLowerCase();
int count = 0;
int index = 0;

while ((index = lowerpara.indexOf(lowerword, index)) != -1) {
count++;
```

```
index += lowerword.length();
}
System.out.println(word + " occurred " + count + " times");
}
sc.close();
}
}
```

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

```
package logic;
import java.util.*;

public class WordOccurence {

public static void main(String[] args) {
Scanner sc = new Scanner(System.in);

System.out.println("Enter a sentence: ");
String str1 = sc.nextLine();

System.out.println("To search: ");
String str2 = sc.nextLine();
```

```
str1 = str1.toLowerCase();

str2 = str2.toLowerCase();


int count = 0;

int index = 0;


while((index = str1.indexOf(str2, index)) != -1) {

count++;

index = index + str2.length();

}

System.out.println(str2 + " occurred: " + count);

sc.close();

}

}
```

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

```
package logic;


import java.util.*;


public class PalindromeString {


public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

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

String word = sc.next();
```

```
int flag = 0;
char[] ch = word.toCharArray();
int len = word.length();
int h = len / 2;

for (int i = 0; i < h; i++) {
if (ch[i] != ch[len - 1 - i]) {
flag = 1;
break;
}
}

if (flag == 1)
System.out.println("Not a palindrome");
else
System.out.println("Is a palindrome");
sc.close();
}
}
```

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

```
package logic;
import java.util.*;

public class TotalWords {

public static int count(String a) {
```

```
if (a == null || a.isEmpty()) {
System.out.println("Word is empty");
}

int wordcount = 0;
boolean isword = false;
int endofline = a.length() - 1;
char[] chars = a.toCharArray();

for (int i = 0; i < a.length(); i++) {
if (Character.isLetter(chars[i]) && i != endofline) {
isword = true;
//wordcount++;
}

else if (Character.isLetter(chars[i]) && isword) {
wordcount++;
isword = false;
}

else if (Character.isLetter(chars[i]) && i == endofline) {
wordcount++;
}
}
return wordcount;
}

public static void main(String[] args) {
```

```
Scanner sc = new Scanner(System.in);

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

String a = sc.nextLine();

int total = count(a);

System.out.println("Total count: " + total);

sc.close();

}

}
```