

1st

```
import java.util.*;
```

```
class WordOccurence{
```

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

```
    {
```

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

```
        System.out.println("Enter the sentence");
```

```
        String str=sc.nextLine();
```

```
        String []word={"Car ", "Truck"};
```

```
        str=str.toLowerCase();
```

```
        int index,count;
```

```
for(String i:word){
```

```
    count=0;
```

```
    index=0;
```

```
    i=i.toLowerCase();
```

```
    while((index=str.indexOf(i,index))!=-1)
```

```
    {
```

```
        count++;
```

```
        index+=i.length();
```

```
    }
```

```
    System.out.println(i+" occurred "+count);
```

```
}
```

```
}
```

```
}
```

2nd

```
import java.util.*;
```

```
class WordOccurence{
```

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

```
    {
```

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

```
        System.out.println("Enter the sentence");
```

```
        String str=sc.nextLine();
```

```
        System.out.println("Enter the Word");
```

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

```
        str=str.toLowerCase();
```

```
        word=word.toLowerCase();
```

```
        int index=0;int count=0;
```

```
while((index=str.indexOf(word,index))!=-1)
{
    count++;
    index+=word.length();
}
System.out.println(word+" "+count);

}
}
```

3rd

```
import java.util.*;
```

```
public class palinString
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        String str=sc.nextLine();
        str=str.toLowerCase();
```

```

int n=str.length();
boolean flag=true;
for(int i=0;i<n/2;i++)
{
    if(str.charAt(i)!=str.charAt(n-i-1))
    {
        flag=false;
        break;
    }
}
if(flag)System.out.println("String is palindrome");
else System.out.println("String is not palindrome");
}
}

```

4th

```

class Main{
    public static void main(String args[])
    {
        int count=0;
        String str=" Vita is a cdac centre . it has dac and dbda";
        System.out.println(str.length());
        for(int i=0;i<str.length();i++)
        {
            if(str.charAt(i)!=' ') count++;
        }
    }
}

```

```
    }  
    System.out.println(count);  
}  
}
```