

```
*Sample.java
1 //print vowel count
2
3
4 package org.sample;
5
6 public class Sample {
7
8     public static void main(String[] args) {
9         String s="welcome to java class today";
10        char[] ch = s.toCharArray();
11        int count=0;
12        for(int i=0;i<ch.length;i++) {
13            char c = ch[i];
14            if(c=='a' || c=='e' || c=='i' || c=='o' || c=='u' || c=='A' || c=='E' || c=='I' || c=='O' || c=='U') {
15                count++;
16            }
17        }
18        System.out.println(count);
19    }
20 }
21
```

Console

<terminated> S: 9

```
*Sample.java
1 //print vowel values in the string
2
3
4 package org.sample;
5
6 import java.util.*;
7 import java.util.Map.Entry;
8
9 public class Sample {
10
11     public static void main(String[] args) {
12         String s="welcome to java class today";
13         char[] ch = s.toCharArray();
14         Map<Character,Integer> mp=new TreeMap<Character,Integer>();
15         for(int i=0;i<ch.length;i++) {
16             char c = ch[i];
17             if(c=='a' || c=='e' || c=='i' || c=='o' || c=='u' || c=='A' || c=='E' || c=='I' || c=='O' || c=='U') {
18                 if(mp.containsKey(c)) {
19                     Integer inte = mp.get(ch[i]);
20                     mp.put(c, inte+1);
21                 }
22                 else {
23                     mp.put(c, 1);
24                 }
25             }
26         }
27         Set<Entry<Character,Integer>> entrySet = mp.entrySet();
28         for (Entry<Character, Integer> entry : entrySet) {
29             System.out.println(entry);
30         }
31     }
32 }
33
```

Console

<terminated> Sam
a=4
e=2
o=3

```
Sample.java
1 //print consonant count in the string
2
3
4 package org.sample;
5
6 public class Sample {
7     public static void main(String[] args) {
8         String s="welcome to java class today";
9         char[] ch = s.toCharArray();
10        int count=0;
11        for(int i=0;i<ch.length;i++) {
12            char c = ch[i];
13            if((c>='a'&&c<='z') || (c>='A'&&c<='Z')) {
14                if(!(c=='a' || c=='e' || c=='i' || c=='o' || c=='u' || c=='A' || c=='E' || c=='I' || c=='O' || c=='U')) {
15                    count++;
16                }
17            }
18        }
19        System.out.println(count);
20    }
21 }
22
23
24
```

Console

<terminated> San
14