

Practical : 5

Aim: Write a program to accept a line and check how many consonants and vowels are there in line.

- //This program finding for how many consonants and vowels are there in line.
//Created by: Patel Raj M.
//Date: 7th Aug 2017

```
import java.util.Scanner;
```

```
public class Vowel_Consonants  
{
```

```
    private static Scanner s1;
```

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

```
        int num=0,symbols=0,vowels=0,consonants=0,i;
```

```
        s1 = new Scanner(System.in);
```

```
        //Using the string function
```

```
        String str = "";
```

```
        String digit="0123456789";
```

```
        String symbol="@#%";
```

```
        System.out.println("Enter the String= ");
```

```
        //User define the Enter Line
```

```
        str = s1.nextLine();
```

```
        //find length
```

```
        int length = str.length();
```

```
        for(i=0;i<length;i++)
```

```
        {
```

```
            char ch=str.charAt(i);
```

```
            if(ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U' || ch=='a'  
|| ch=='e' || ch=='i' || ch=='o' || ch=='u' )
```

```
            {
```

```
                vowels++;
```

```
            }
```

```
            else if(digit.indexOf(ch)>=0)
```

```
            {
```

```
                num++;
```

```
            }
```

```
            else if(symbol.indexOf(ch)>=0)
```

```
            {
```

```
                symbols++;
```

```
            }
```

```
            else
```

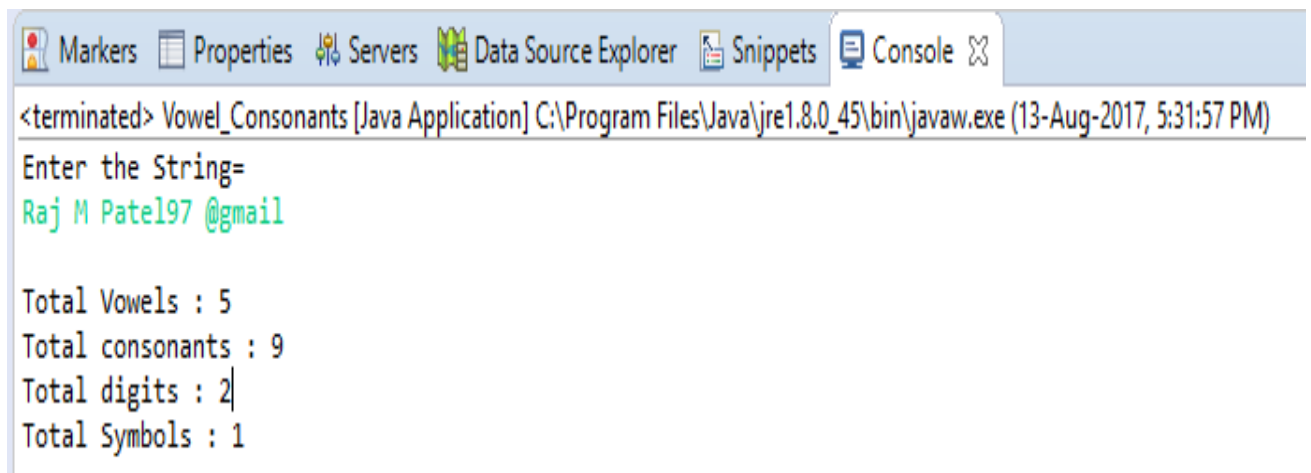
```
            {
```

```

        if(ch!=' ')
            consonants++;
    }
}
System.out.println("\nTotal Vowels : " +vowels);
System.out.println("Total consonants : " +consonants);
System.out.println("Total digits : " +num);
System.out.println("Total Symbols : " +symbols);
    }
}

```

Output:



The screenshot shows a Java IDE with the 'Console' tab selected. The console output is as follows:

```

<terminated> Vowel_Consonants [Java Application] C:\Program Files\Java\jre1.8.0_45\bin\javaw.exe (13-Aug-2017, 5:31:57 PM)
Enter the String=
Raj M Patel97 @gmail

Total Vowels : 5
Total consonants : 9
Total digits : 2
Total Symbols : 1

```