Practical : 8

Aim: Create a class which ask the user to enter a sentence, and it should display count of each vowel type in the sentence. The program should continue till user enters a word "quit". Display the total count of each vowel for all sentences.

- ➢ //This Program to find that given string is Palindrome or not.
  //Developed by Patel Raj M.
  //Date: 14th Aug 2017

```java
import java.util.Scanner;
class Vowel
{
        public Scanner s1;
        public String str;

        String vowel="aeiouAEIOU";
        private int cvowels=0,i,count=0;
        //Default Constructor
        //Use for Read Method
        Vowel()
        {
                s1 = new Scanner(System.in);
                //Using the string function
                //str = "";
                System.out.println("Enter the String= ");
                //User define the Enter Line
                str = s1.nextLine();
        }
        public void cvowelMethod()
        {
                while(!str.equals("quit"))
                {
                        count++;
                        //find length
                        int length = str.length();
                        for(i=0;i<length;i++)
                        {
                                char ch=str.charAt(i);
                                if(vowel.indexOf(ch) >= 0)
                                {
                                        cvowels++;
                                }
                        }//End for loop
                        System.out.println("Enter the String= ");
                        //User define the Enter Line
```
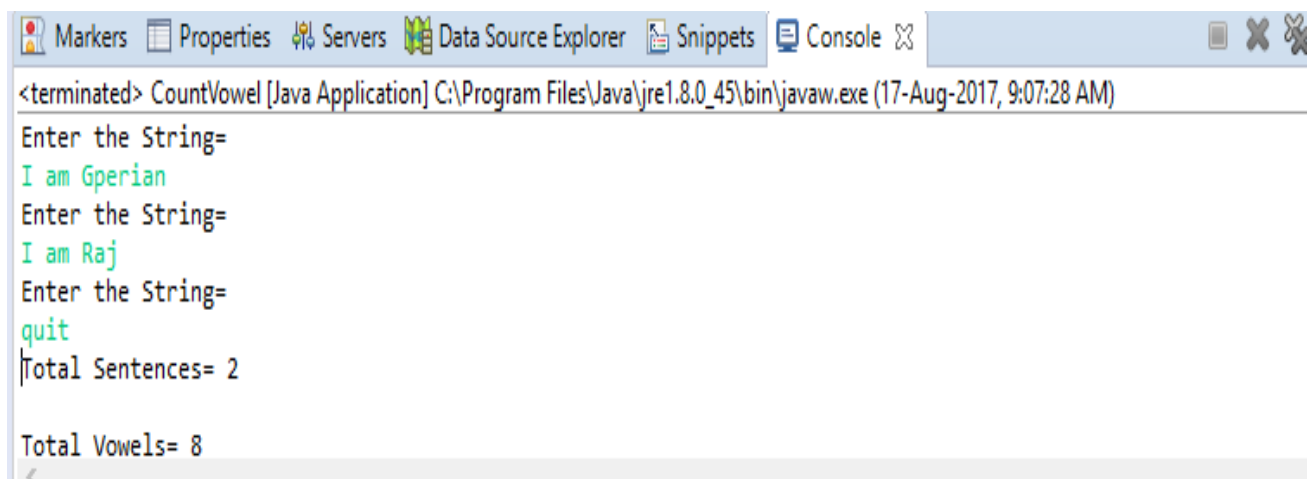
```java
                        str = s1.nextLine();
                }//End While loop
                System.out.println("Total Sentences= " + count);
                System.out.println("\nTotal Vowels= " + cvowels);
        }
}
//Main class
public class CountVowel
{
        public static void main(String[] args)
        {
                Vowel v = new Vowel();
                v.cvowelMethod();
        }
}
```

Output:


```
 Markers   Properties   Servers   Data Source Explorer   Snippets   Console ✕                    ■ ✖ ✖

<terminated> CountVowel [Java Application] C:\Program Files\Java\jre1.8.0_45\bin\javaw.exe (17-Aug-2017, 9:07:28 AM)
Enter the String=
I am Gperian
Enter the String=
I am Raj
Enter the String=
quit
Total Sentences= 2

Total Vowels= 8
```