**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);

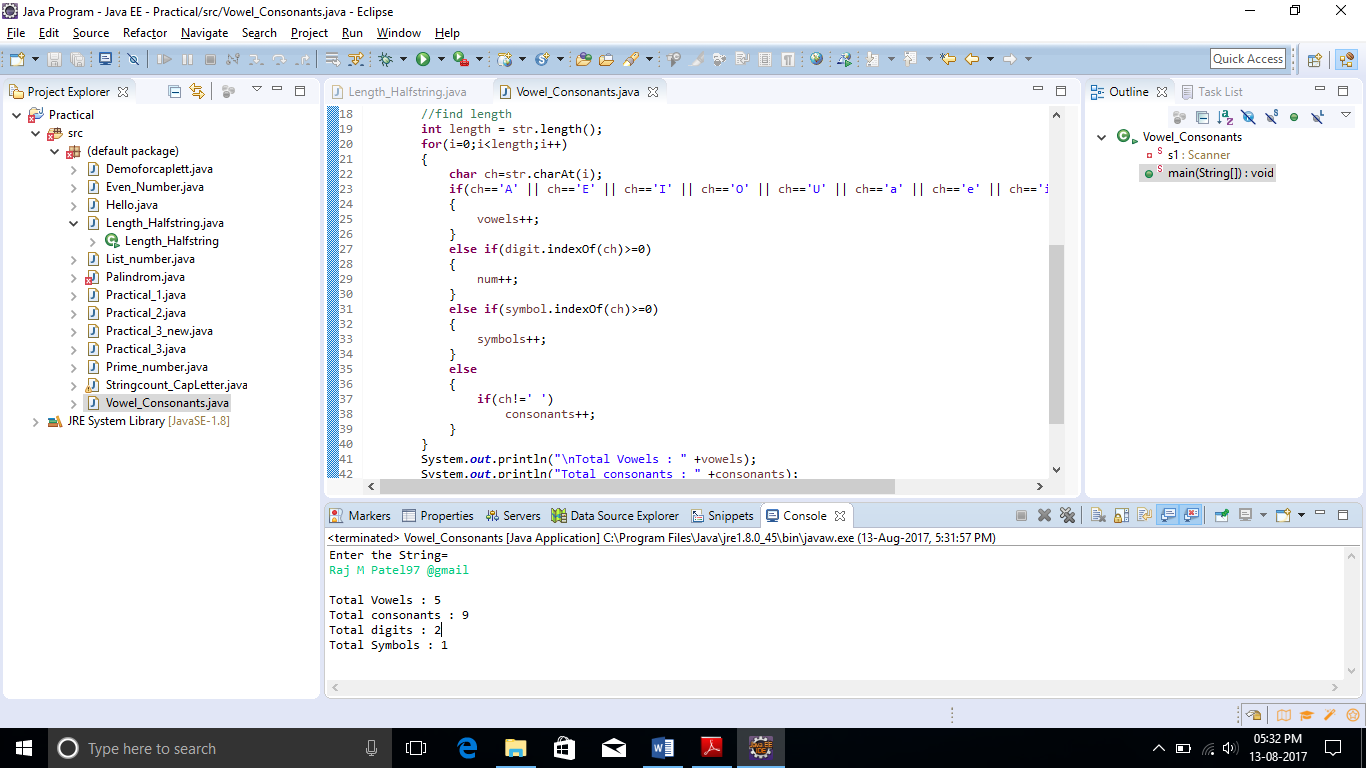
System.***out***.println("Total digits : " +num);

System.***out***.println("Total Symbols : " +symbols);

}

}

**Output:**

****