

```

1  /**
2   * Class CountVowels counts vowels in a sentence.
3   *
4   * @author (Yaw Abaaho)
5   * @version (4/8/19)
6   */
7  import java.util.*;
8  public class CountVowels
9  {
10     public static void main(String[] args)
11     {
12         Scanner scan = new Scanner(System.in);
13         System.out.println("Enter a sentence or \'q\' to quit");
14         String input = scan.nextLine();
15         while(!input.equals("q"))
16         {
17             int countA=0;
18             int countE=0;
19             int countI=0;
20             int countO=0;
21             int countU=0;
22             int countOther=0;
23             for(int i=0;i < input.length();i++)
24             {
25                 String inputC = input.toUpperCase();
26                 char letter = inputC.charAt(i);
27                 switch(letter)
28                 {
29                     case 'A':
30                         countA= countA+1;
31                         break;
32                     case 'E':
33                         countE= countE+1;
34                         break;
35                     case 'I':
36                         countI= countI+1;
37                         break;
38                     case 'O':
39                         countO= countO+1;
40                         break;
41                     case 'U':
42                         countU= countU+1;
43                         break;
44                     default:
45                         countOther= countOther+1;
46                 }
47             }
48             System.out.println(input);
49             System.out.println("Symbol\t"+"Count\n"+
50                 "A\t"+countA+"\nE\t"+
51                 countE+"\nI\t"+countI+
52                 "\nO\t"+countO+"\nU\t"+
53                 countU+"\nOther\t"+countOther);
54             System.out.println("Enter a sentence or \'q\' to quit\n");
55             input = scan.nextLine();
56         }
57     }
58 }

```