

Java Week 7: Q4

Due on 2020-11-05, 23:59 IST

The following program reads a string from the keyboard and is stored in the String variable "s1". You have to complete the program so that it should print the number of vowels in s1. If your input data doesn't have any vowel it will print "0".

Private Test cases used for evaluation

Input	Expected Output	Actual Output	Status
-1	0	0\n	Passed
aeiou	5	5\n	Passed
Welcome to Java i/o handling.	10	10\n	Passed

The due date for submitting this assignment has passed.

3 out of 3 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-11-05, 23:10 IST

Your last recorded submission was :

```

1 import java.io.*;
2 import java.util.*;
3
4 public class Question4{
5     public static void main(String[] args) {
6         int c=0;
7         try{
8             InputStreamReader r=new InputStreamReader(System.in);
9             BufferedReader br=new BufferedReader(r);
10            String s1 = br.readLine();
11            //Write your code here to count the number of vowels in the string "s1"
12            s1 = s1.toLowerCase();
13            for(int i=0;i<s1.length();i++)
14            {
15                char word = s1.charAt(i);
16                if(word == 'a' || word == 'e' || word == 'i' || word == 'o' || word == 'u'){
17                    c=c+1;
18                }
19            }
20            System.out.println(c);
21        }
22        catch (Exception e){
23            System.out.println(e);
24        }
25    }
26 }
```

Sample solutions (Provided by instructor)

```

1 import java.io.*;
2 import java.util.*;
3
4 public class Question4{
5     public static void main(String[] args) {
6         int c=0;
7         try{
8             InputStreamReader r=new InputStreamReader(System.in);
9             BufferedReader br=new BufferedReader(r);
10            String s1 = br.readLine();
11            for(int i=0;i<s1.length();i++){
12                char s2=s1.charAt(i);
13                if(s2=='e' || s2=='E' || s2=='a' || s2=='A' || s2=='i' || s2=='I' || s2=='o' || s2=='O' || s2=='u' || s2=='U')
14                {
15                    c=c+1;
16                }
17            }
18            System.out.println(c);
19        }
20        catch (Exception e){
21            System.out.println(e);
22        }
23    }
24 }
```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

- Lecture 31 : I-O Stream-II
- Lecture 32 : I-O Stream-III
- Lecture 33 : Demonstration-XII
- Lecture 34 : Applet Programming - I
- Lecture 35 : Applet Programming - II
- Quiz: Assignment 7
- Java Week 7 : Q1
- Java Week 7: Q2
- Java Week 7: Q3
- Java Week 7: Q4
- Java Week 7: Q5
- Feedback For Week 7

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)