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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Programming in Java (course)**

Announcements (announcements)

About the Course (https://swayam.gov.in/nd1_noc20_cs08/preview) Ask a Question (forum)

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Java Week 7: Q4

Due on 2020-03-19, 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
Test Case 1	-1	0	0\n	Passed
Test Case 2	aeiou	5	5\n	Passed
Test Case 3	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 2020-03-19, 23:45 IST

Your last recorded submission was :

```

1 import java.io.*;
2 import java.util.*;
3

```

Course outline

How does an NPTEL online course work?

Week 0 :

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

● Lecture 31 : I-
O Stream-II
(unit?
unit=8&lesson=45)

● Lecture 32 : I-
O Stream-III
(unit?
unit=8&lesson=46)

● Lecture 33 :
Demonstration-
XII (unit?
unit=8&lesson=47)

● Lecture 34 :
Applet
Programming
—I (unit?
unit=8&lesson=48)

● Lecture 35 :
Applet
Programming
—II (unit?
unit=8&lesson=49)

● Quiz :
Assignment 7
(assessment?
name=99)

● Java Week 7 :
Q1
(/noc20_cs08/progassign?
name=148)

● Java Week 7:
Q2
(/noc20_cs08/progassign?
name=149)

● Java Week 7:
Q3
(/noc20_cs08/progassignment?
name=150)

● Java Week 7:
Q4
(/noc20_cs08/progassignment?
name=151)

● Java Week
7:Q5
(/noc20_cs08/progassignment?
name=152)

○ Feedback For
Week 7 (unit?
unit=8&lesson=155)

```

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                char word = s1.charAt(i);
15                if(word == 'a' || word == 'e' || word == 'i' || word == 'o' || word == 'u'){
16                    c=c+1;
17                }
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)

Select the Language . Java ▼

```

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' |
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 }

```

Week 8 :**DOWNLOAD
VIDEOS****Assignment
Solution****Books****Live Interactive
Session**