

Java Week 3: Q5

Due on 2020-10-08, 23:59 IST

Complete the code segment to swap two numbers using call by object reference.

Private Test cases used for evaluation

Test Case 1

Test Case 2

Input	Expected Output	Actual Output	Status
22 33	33 22	33 22\n	Passed
19 19	19 19	19 19\n	Passed

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-08, 23:04 IST

Your last recorded submission was :

```

1 import java.util.Scanner;
2 class Question { //Define a class Question with two elements e1 and e2.
3     Scanner sc = new Scanner(System.in);
4     int e1 = sc.nextInt(); //Read e1
5     int e2 = sc.nextInt(); //Read e2
6 }
7 public class Question5 {
8     // Define static method swap() to swap the values of e1 and e2 of class Question.
9     static void swap(Question q)
10    {
11        q.e1 = q.e1 + q.e2;
12        q.e2 = q.e1 - q.e2;
13        q.e1 = q.e1 - q.e2;
14    }
15    public static void main(String[] args) {
16        //Create an object of class Question
17        Question t = new Question();
18        //Call the method swap()
19        swap(t);
20
21        System.out.println(t.e1+" "+ t.e2);
22    }
23 }
24 }

```

Sample solutions (Provided by instructor)

```

1 import java.util.Scanner;
2 class Question { //Define a class Question with two elements e1 and e2.
3     Scanner sc = new Scanner(System.in);
4     int e1 = sc.nextInt(); //Read e1
5     int e2 = sc.nextInt(); //Read e2
6 }
7 public class Question5 {
8     public static void swap(Question t) {
9         int temp = t.e1;
10        t.e1 = t.e2;
11        t.e2 = temp;
12    }
13    public static void main(String[] args) {
14        //Create an object of class Question
15        Question t = new Question();
16        //Call the method swap()
17        swap(t);
18
19        System.out.println(t.e1+" "+ t.e2);
20    }
21 }
22 }

```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

- Lecture 11 : Java Static Scope Rule
- Lecture 12 : Demonstration-V
- Lecture 13 : Inheritance
- Lecture 14 : Demonstration-VI
- Lecture 15 : Information Hiding
- Quiz: Assignment 3
- Java Week 3: Q1
- Java Week 3: Q2
- Java Week 3: Q3
- Java Week 3: Q4
- Java Week 3: Q5
- Feedback For Week 3

Week 4 :

Week 5 :

Week 6 :

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)