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	Input	Expected Output	Actual Output	Status
Test Case 1	22 33	33 22	33 22\n	Passed
Test Case 2	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 }
```