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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](https://swayam.gov.in/nd1_noc20_cs08/preview))    Ask a Question (forum)

Progress (student/home)    Mentor (student/mentor)

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 Course  
outline

 How does an  
NPTEL online  
course work?

Week 0 :

Week 1 :

Week 2 :

Week 3 :

☐ Lecture 11 :  
Java Static  
Scope Rule  
(unit?  
unit=4&lesson=25)

☐ Lecture 12 :  
Demonstration-  
V (unit?  
unit=4&lesson=26)

## Java Week 3: Q5

**Due on 2020-02-20, 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

Input	Expected Output	Actual Output	Status
22 33	33 22	33 22\n	Pass ed
19 19	19 19	19 19\n	Pass ed

 Due Date Exceeded.  
2 out of 2 tests passed.  
You scored 100.0/100.

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 Quest
9     static void swap(Question o){
10    int temp;
11    temp=o.e1;
12    o.e1=o.e2;
13    o.e2=temp;
14 }
15 public static void main(String[] args) {
16     //Create an object of class Question
17     Question t = new Question();

```

☐ Lecture 13 :  
Inheritance  
(unit?  
unit=4&lesson=27)

```

18 //Call the method swap()
19 swap(t);
20
21 System.out.println(t.e1+" "+ t.e2);
22 }
23
24 }
25

```

☐ Lecture 14 :  
Demonstration-  
VI (unit?  
unit=4&lesson=28)

Sample solutions (Provided by instructor)

Select the Language . Java ▼

☐ Lecture 15 :  
Information  
Hiding (unit?  
unit=4&lesson=29)

```

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 }
23

```

☒ Quiz :  
Assignment 3  
(assessment?  
name=95)

☒ Java Week 3:  
Q1  
(/noc20\_cs08/progassignm  
name=107)

☒ Java Week 3:  
Q2  
(/noc20\_cs08/progassignm  
name=108)

☒ Java Week 3:  
Q3  
(/noc20\_cs08/progassignment?  
name=109)

☒ Java Week 3:  
Q4  
(/noc20\_cs08/progassignment?  
name=110)

☒ Java Week 3:  
Q5  
(/noc20\_cs08/progassignment?  
name=111)

☐ Feedback For  
Week 3 (unit?  
unit=4&lesson=124)

**Week 4 :**

**Week 5 :**

**Week 6 :**

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**Assignment  
Solution**