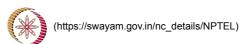X

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

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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: Q4

Due on 2020-02-20, 23:59 IST

This program to exercise the call of static and non-static methods. A partial code is given defining two methods, namely sum( ) and multiply ( ). You have to call these methods to find the sum and product of two numbers. Complete the code segment as instructed.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	1 2	3\n 2	3\n 2\n	Passed

Due Date Exceeded.
1 out of 1 tests passed.
You scored 100.0/100.

Your last recorded submission was :

```java
1  import java.util.Scanner;
2  class QuestionScope {
3      int sum(int a, int b){ //non-static method
4          return a + b;
5      }
6      static int multiply(int a, int b){ //static method
7          return a * b;
8      }
9  }
10 public class Test3{
11     public static void main( String[] args ) {
12         Scanner sc = new Scanner(System.in);
13         int n1=sc.nextInt();
14         int n2=sc.nextInt();
15
16 //Called the method sum() to find the sum of two numbers.
17 //Called the method multiply() to find the product of two numbers.
18
```

Week 4 :

Week 5 :

Week 6 :

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VIDEOS**

```
19  QuestionScope q=new QuestionScope();
20  int res,prod;
21  res=q.sum(n1,n2);
22  prod=QuestionScope.multiply(n1,n2);
23  System.out.println(res);
24  System.out.println(prod);
25
26  }
27  }
```

Sample solutions (Provided by instructor)

Select the Language . [Java ▼]

```
 1  import java.util.Scanner;
 2  class QuestionScope {
 3      int sum(int a, int b){ //non-static method
 4          return a + b;
 5      }
 6      static int multiply(int a, int b){ //static method
 7          return a * b;
 8      }
 9  }
10  public class Test3{
11      public static void main( String[] args ) {
12          Scanner sc = new Scanner(System.in);
13          int n1=sc.nextInt();
14          int n2=sc.nextInt();
15
16          QuestionScope st = new QuestionScope(); // Create an object to call
17                                                  //static method
18          int result1=st.sum(n1,n2);       // Call the method
19          int result2=QuestionScope.multiply(n1,n2);  // Create an object to c
20                                                       //static method
21
22          System.out.println(result1);
23      System.out.println(result2);
24  }
25  }
26  }
```

**Assignment
Solution**