Java Week 3: Q4

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.

Sample Test Cases

<table>
<thead>
<tr>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2</td>
<td>3 2</td>
</tr>
<tr>
<td>3 5</td>
<td>8 15</td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;

class QuestionScope {
    int sum(int a, int b){ //non-static method
        return a + b;
    }

    static int multiply(int a, int b){ //static method
        return a * b;
    }
}

public class Test3{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n1=sc.nextInt();
        int n2=sc.nextInt();

        QuestionScope st = new QuestionScope(); // Create an object to
        int result1=st.sum(n1,n2); // Call the method
        int result2=QuestionScope.multiply(n1,n2); // Create an object
    }
}
```
Lecture 15: Information Hiding

```java
// static method
System.out.println(result1);
System.out.println(result2);
```