Java Week 3: Q4

Due on 2020-10-08, 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	Passed

The due date for submitting this assignment has passed.
1 out of 1 tests passed.
You scored 100.0/100.

Assignment submitted on 2020-10-08, 22:55 IST
Your last recorded submission was :

```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();

//Called the method sum() to find the sum of two numbers.
//Called the method multiply() to find the product of two numbers.
QuestionScope q = new QuestionScope();
//Called the method sum() to find the sum of two numbers.
int res_sum, res_mul;
res_sum= q.sum(n1,n2);
//Called the method multiply() to find the product of two numbers.
res_mul= q.multiply(n1,n2);

System.out.println(res_sum);
System.out.print(res_mul);
}
}
```

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 call non-
                                          //static method
        int result1=st.sum(n1,n2);        // Call the method
        int result2=QuestionScope.multiply(n1,n2);  // Create an object to call
                                          //static method

        System.out.println(result1);
    System.out.println(result2);
}
}
```