Java Week 3: Q1

This program is related to the generation of Fibonacci numbers.
For example: 0, 1, 1, 2, 3, 5, 8, 13,... is a Fibonacci sequence where 13 is the 8th Fibonacci number. A partial code is given and you have to complete the code as per the instruction given as comments.

Sample Test Cases

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Case 1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Test Case 2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Test Case 3</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Test Case 4</td>
<td>8</td>
<td>13</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; //This package for reading input
public class Fibonacci {
    public static void main(String args[]) {
        Scanner sc = new Scanner(System.in);
        int n=sc.nextInt(); //Read an integer
        System.out.println(fib(n)); //Generate and print the n-th Fibonacci number
    }

    static int fib(int n) {
        if (n==1) //Terminate condition
            return 0;
        else if(n==2)
            return 1;
        //...
return fib(n - 1) + fib(n - 2); // Recursive call of function