Course outline How does an NPTEL online course work? Week 0 : Assignment 0 Week 1: Week 2: Week 3: • Lecture 11 : Java Static Scope Rule • Lecture 12 : Demonstration-• Lecture 13 : Inheritance • Lecture 14: Demonstration-• Lecture 15 : Information Hiding • Quiz: Assignment 3 Java Week 3: Q1 Java Week 3: Q2 Java Week 3: Q3 Java Week 3: Q4 Java Week 3: Q5 • Feedback For Week 3 Week 4: Week 5: Week 6: Week 7: Week 8: Week 9: Week 10:

Week 11: Week 12: Solution

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- 10AM - 12 PM)

- 8PM - 10 PM)

Programming Test - (April 11

Programming Test - (April 11

Java Week 3: Q1

Due on 2020-10-08, 23:59 IST

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.

Private	Test	cases	used	for	evaluation

Test Case 1

Test Case 2

Test Case 3

Input	Expected Output	Actual Output	Status
1	e	0\n	Passed
2	1	1\n	Passed
3	1	1\n	Passed

The due date for submitting this assignment has passed.

3 out of 3 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-08, 23:36 IST

Your last recorded submission was

```
import java.util.Scanner; //This package for reading input
public class Fibonacci {
       static int fib(int n) {
  int j=n-1;
    if( j == 0 )
13
14
15
16
17
18
19
20
21
22
23
24
25
}
               return Θ;
           else if( j == 1 )
               return 1;
               return (fib(n-2)+fib(n-1));
```

Sample solutions (Provided by instructor)

```
import java.util.Scanner; //This package for reading input
public class Fibonacci {
       10 st
11 12 13 14 15 16 17 }
    static int fib(int n) {
          if (n==1)
    return 0;
else if(n==2)
                        //Terminate condition
           return fib(n - 1) + fib(n - 2); //Recursive call of function
```