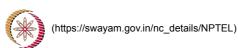
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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)

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tion

Java Week 3: Q1

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

This program is related to the generation of Fibonacci numbers.

8thFibonacci number. A partial code is given and you have to complete the code as per the instruction given as comments.

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)

Demonstration-V (unit?

unit=4&lesson=26)

Private Test cases used for evaluation	Input Expected Output		Actual Output	Status
Test Case 1	1	0	0\n	Passe d
Test Case 2	2	1	1\n	Passe d
Test Case 3	3	1	1\n	Passe d

Due Date Exceeded. 3 out of 3 tests passed. You scored 100.0/100.

Your last recorded submission was :

```
static int fib(int n) {
O Lecture 13:
                           10
   Inheritance
                           11
                               //complete the code segment to find the nth Fibonacci number in the Fibonacc
int f=0,f1=-1,f2=1;
for(int i=0;i<n;i++){</pre>
   (unit?
                           12
                           13
   unit=4&lesson=27)
                           14
                               f=f1+f2;
                           15
O Lecture 14:
                                  f1=f2;
                           16
                           17
                                  f2=f;
   Demonstration-
                           18
   VI (unit?
                           19
   unit=4&lesson=28)
                           20
                               return f;
                           21
O Lecture 15:
                           22
   Information
   Hiding (unit?
                          Sample solutions (Provided by instructor)
   unit=4&lesson=29)
                          Select the Language . Java ▼
 Quiz :
                             import java.util.Scanner; //This package for reading input
public class Fibonacci {
   Assignment 3
   (assessment?
                             4
                                     public static void main(String args[]) {
   name=95)
                                      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
                             6
7
 Java Week 3:
                             8
                                                                              //number
   Q1
   (/noc20_cs08/progass
                                 static int fib(int n) {
                           10
   name=107)
                           11
                           12
                                          if (n==1)
                                                             //Terminate condition
                                               return 0;
                           13
 Java Week 3:
                           14
                                          else if(n==2)
   Q2
                                         return 1;
return fib(n - 1) + fib(n - 2); //Recursive call of function
                           15
   (/noc20_cs08/progassiç
                           16
                           17
   name=108)
                           18
 Java Week 3:
   Q3
   (/noc20_cs08/progassignment?
   name=109)
 Java Week 3:
   (/noc20_cs08/progassignment?
   name=110)
 Java Week 3:
   Q5
   (/noc20_cs08/progassignment?
   name=111)

    Feedback For

   Week 3 (unit?
   unit=4&lesson=124)
Week 4:
Week 5:
Week 6:
DOWNLOAD
VIDEOS
```

Assignment Solution