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\* Class:FibSequence Ex.P7.5 Pg.272 Author: Yin Linhai

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\* This program solves for the nth term of the Fibonacci sequence

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\* Course:Computer Science 201Teacher:Mr Blakey

\* School:Sir Winston Churchill High School, Calgary, Alberta, Canada

\* Language: Java SE 7.0Target Operating System: Java Virtual Machine

\* System:Intel Celeron 3GHz running under Windows 7 IDE: Eclipse 4.2

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**package** Exercises;

**import** java.util.Scanner;

**public** **class** FibSequence {

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\* **@param** args

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**public** **static** **void** main(String[] args) {

//declaration

**int** f1 = 1, f2 = 0, fnew, n;

Scanner scan = **new** Scanner(System.*in*);

//Ask for term, and take the input

System.*out*.println("To what term of Fibonnaci's sequence do you want to solve for?");

n = scan.nextInt();

//finding the number

**for** (**int** count = 0; count < n; count++){

//adding the previous numbers

fnew = f1 + f2;

//reassigning variables

f1 = f2;

f2 = fnew;

}

//print answer

System.*out*.println(f2);

//end scanner

scan.close();

}

}