Using the concepts of thread with implementing Runnable interface in Java to generate

CODE:

import java.util.Scanner;

class FibonacciGenerator implements Runnable {

private int n;

public FibonacciGenerator(int n) {

this.n = n;

}

@Override

public void run() {

System.out.println("Fibonacci series:");

int a = 0, b = 1;

System.out.print(a + " " + b + " ");

for (int i = 2; i < n; i++) {

int next = a + b;

System.out.print(next + " ");

a = b;

b = next;

}

}

}

public class FibGen {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the number of terms in the Fibonacci series: ");

int n = scanner.nextInt();

FibonacciGenerator fibRunnable = new FibonacciGenerator(n);

Thread fibThread = new Thread(fibRunnable);

fibThread.start();

scanner.close(); // Closing the scanner object

}

}

OUTPUT:

C:\javap>javac FibGen.java

C:\javap>java FibGen

Enter the number of terms in the Fibonacci series: 6

Fibonacci series:

0 1 1 2 3 5

