Write a program to print the Fibonacci series.

CODE:

import java.util.Scanner;

public class FibonacciSeries {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Getting the number of terms from the user

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

int n = scanner.nextInt();

// Printing Fibonacci series

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

printFibonacciSeries(n);

scanner.close();

}

public static void printFibonacciSeries(int n) {

int n1 = 0, n2 = 1;

System.out.print(n1 + " " + n2 + " ");

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

int nextTerm = n1 + n2;

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

n1 = n2;

n2 = nextTerm;

}

}

}

OUTPUT:

C:\javap>javac FibonacciSeries.java

C:\javap>java FibonacciSeries

Enter the number of terms for Fibonacci series: 10

Fibonacci Series:

0 1 1 2 3 5 8 13 21 34

