



Java

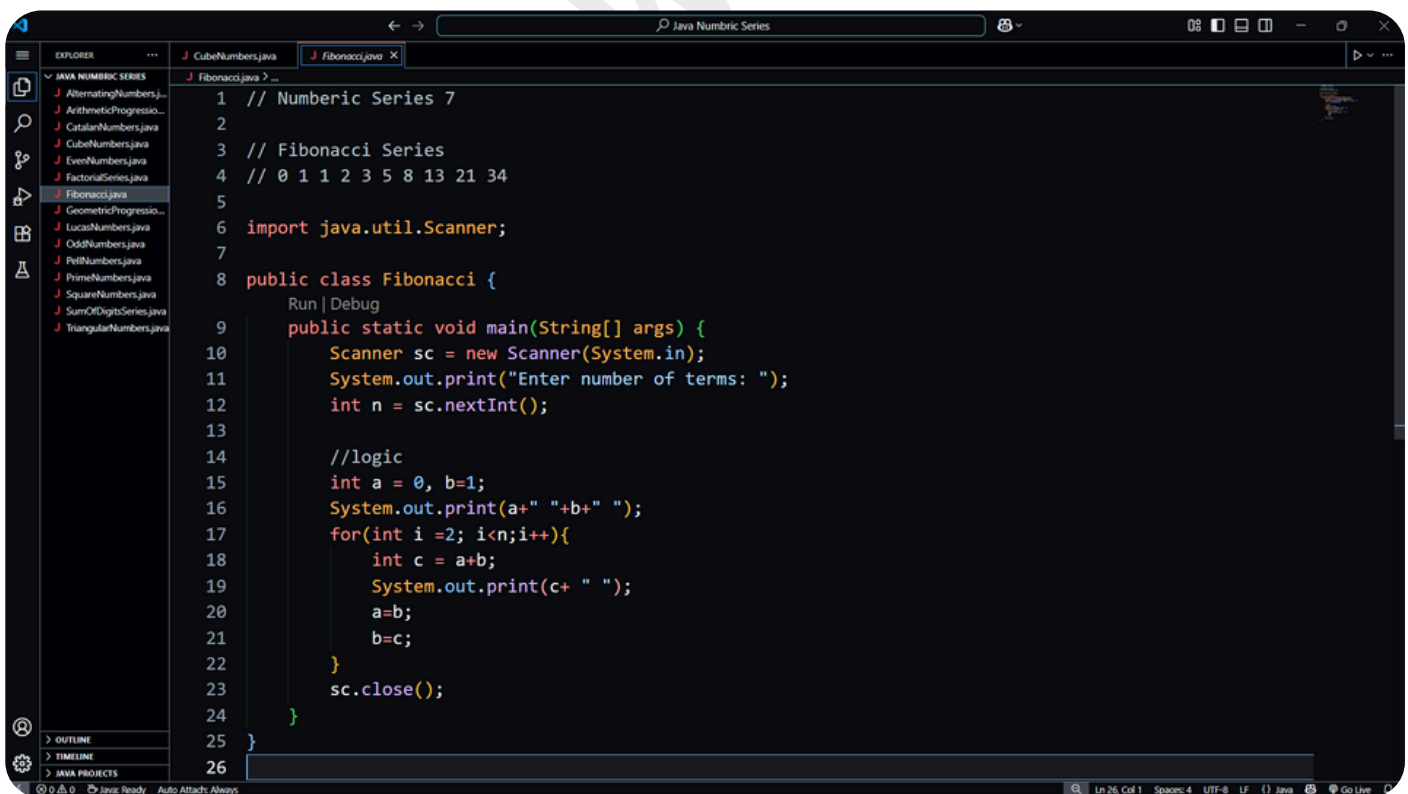
Numbric Series

Java Program

Numbric Series

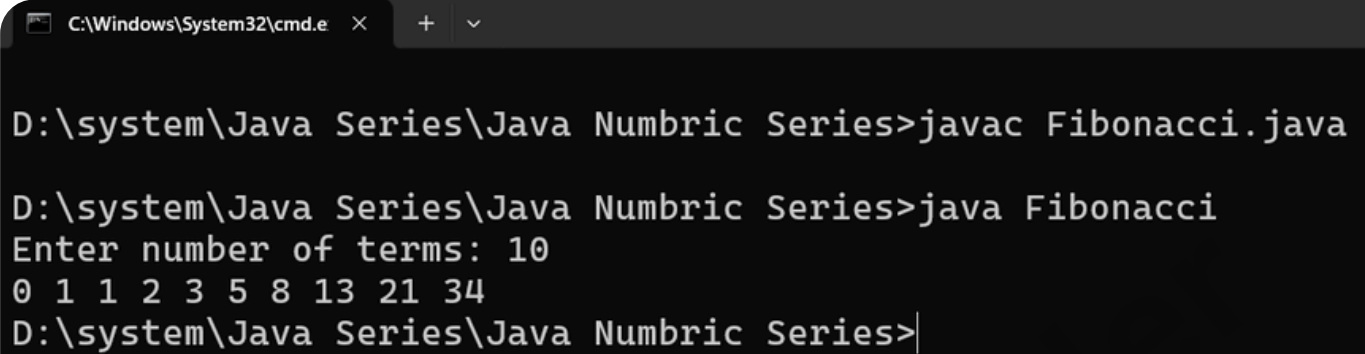
7. Fibonacci Series

Code

A screenshot of an IDE window titled "Java Numeric Series". The Explorer panel on the left shows a project named "JAVA NUMBRIC SERIES" with several files, including "Fibonacci.java" which is selected. The main editor displays the code for the Fibonacci series. The code includes comments for "Numeric Series 7" and "Fibonacci Series", followed by the sequence "0 1 1 2 3 5 8 13 21 34". It imports the Scanner class and defines a public class "Fibonacci" with a static void main method. Inside the main method, it prompts the user to enter the number of terms, reads the input, and then uses a for loop to calculate and print the Fibonacci sequence. The status bar at the bottom indicates "Ln 26, Col 1" and "UTF-8".

```
1 // Numeric Series 7
2
3 // Fibonacci Series
4 // 0 1 1 2 3 5 8 13 21 34
5
6 import java.util.Scanner;
7
8 public class Fibonacci {
9     public static void main(String[] args) {
10         Scanner sc = new Scanner(System.in);
11         System.out.print("Enter number of terms: ");
12         int n = sc.nextInt();
13
14         //logic
15         int a = 0, b=1;
16         System.out.print(a+" "+b+" ");
17         for(int i =2; i<n;i++){
18             int c = a+b;
19             System.out.print(c+" ");
20             a=b;
21             b=c;
22         }
23         sc.close();
24     }
25 }
26
```

Output



A screenshot of a Windows command prompt window. The title bar shows 'C:\Windows\System32\cmd.e' with a close button and window controls. The command prompt shows the following sequence of commands and output:

```
D:\system\Java Series\Java Numbric Series>javac Fibonacci.java
D:\system\Java Series\Java Numbric Series>java Fibonacci
Enter number of terms: 10
0 1 1 2 3 5 8 13 21 34
D:\system\Java Series\Java Numbric Series>
```



Thank you !
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