



**Java**

# Numbric Series

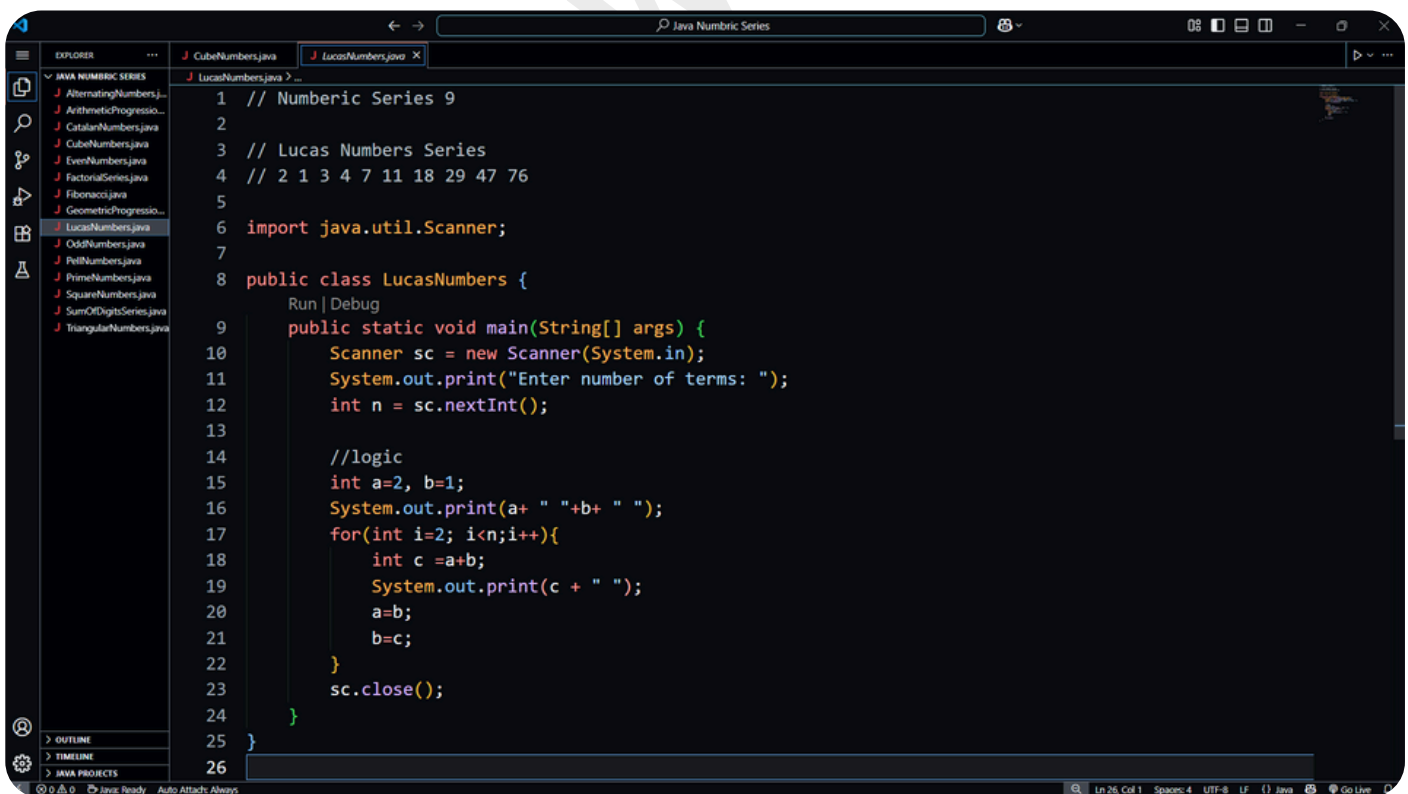
# Java Program

## Numbric Series

### 9. Lucas Numbers Series

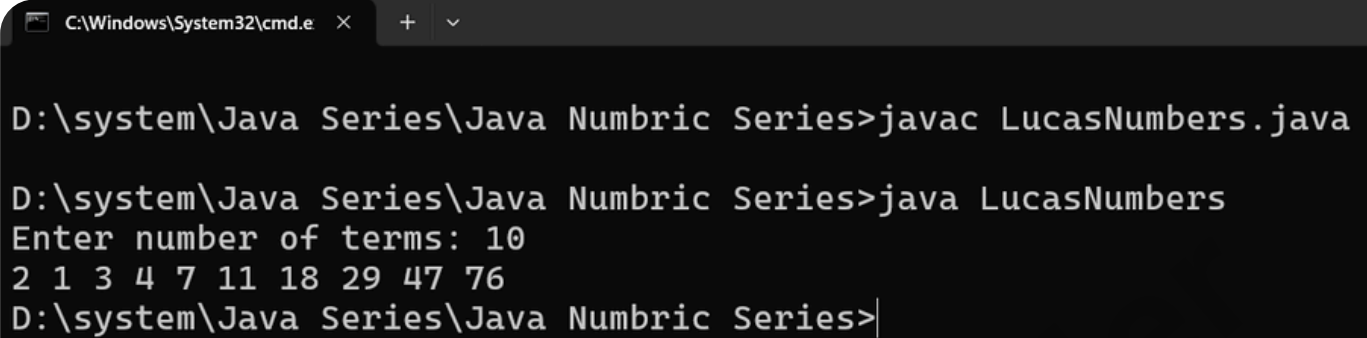
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#### Code



```
1 // Numeric Series 9
2
3 // Lucas Numbers Series
4 // 2 1 3 4 7 11 18 29 47 76
5
6 import java.util.Scanner;
7
8 public class LucasNumbers {
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=2, 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



```
C:\Windows\System32\cmd.e  x  +  v

D:\system\Java Series\Java Numbric Series>javac LucasNumbers.java

D:\system\Java Series\Java Numbric Series>java LucasNumbers
Enter number of terms: 10
2 1 3 4 7 11 18 29 47 76
D:\system\Java Series\Java Numbric Series>|
```

The screenshot shows a Windows command prompt window with the following text:

```
C:\Windows\System32\cmd.e  x  +  v

D:\system\Java Series\Java Numbric Series>javac LucasNumbers.java

D:\system\Java Series\Java Numbric Series>java LucasNumbers
Enter number of terms: 10
2 1 3 4 7 11 18 29 47 76
D:\system\Java Series\Java Numbric Series>|
```



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