



Java

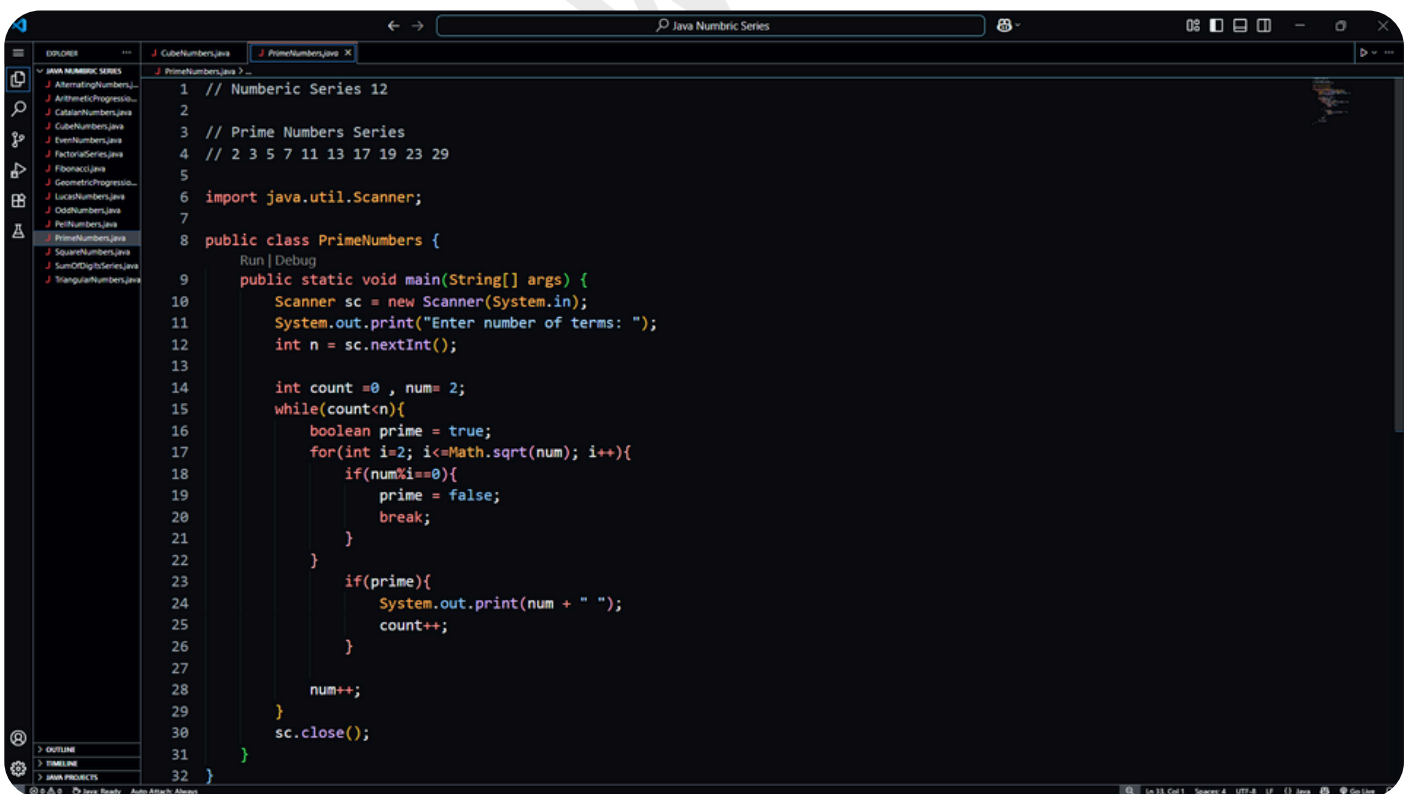
Numbric Series

Java Program

Numbric Series

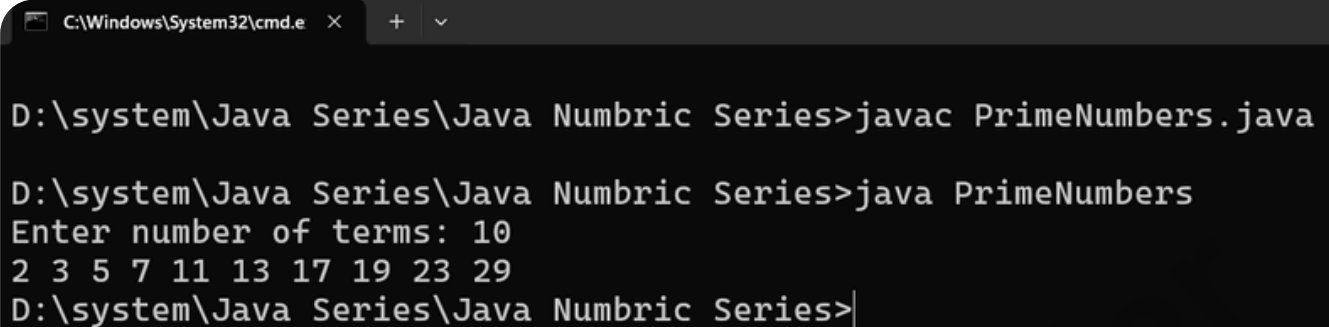
12. Prime Numbers Series

Code



```
1 // Numeric Series 12
2
3 // Prime Numbers Series
4 // 2 3 5 7 11 13 17 19 23 29
5
6 import java.util.Scanner;
7
8 public class PrimeNumbers {
9     Run | Debug
10    public static void main(String[] args) {
11        Scanner sc = new Scanner(System.in);
12        System.out.print("Enter number of terms: ");
13        int n = sc.nextInt();
14
15        int count = 0, num = 2;
16        while(count < n){
17            boolean prime = true;
18            for(int i = 2; i <= Math.sqrt(num); i++){
19                if(num % i == 0){
20                    prime = false;
21                    break;
22                }
23            }
24            if(prime){
25                System.out.print(num + " ");
26                count++;
27            }
28            num++;
29        }
30        sc.close();
31    }
32 }
```

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 PrimeNumbers.java
D:\system\Java Series\Java Numbric Series>java PrimeNumbers
Enter number of terms: 10
2 3 5 7 11 13 17 19 23 29
D:\system\Java Series\Java Numbric Series>|
```



Thank you !
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