

vijaykumar_day11

```
import java.util.Scanner;

public class FibonacciSeries {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Input from user
        System.out.print("Enter the number of terms: ");
        int n = scanner.nextInt();

        // Check for valid input
        if (n <= 0) {
            System.out.println("Please enter a positive integer");
        } else {
            // Generate Fibonacci series
            generateFibonacciSeries(n);
        }

        scanner.close();
    }

    public static void generateFibonacciSeries(int n) {
        // Initialize the first two terms
        int a = 0, b = 1;

        // Print the Fibonacci series
        System.out.print("Fibonacci series up to " + n + " terms: ");
        for (int i = 1; i <= n; i++) {
            System.out.print(a);
            if (i < n) {
                System.out.print(", ");
            }
            // Calculate the next term
            int next = a + b;
            a = b;
            b = next;
        }
    }
}
```

```
        int nextTerm = a + b;  
        a = b;  
        b = nextTerm;  
    }  
    System.out.println();  
}  
}
```