Task 6: Java 8 Date and Time API

Write a program that calculates the number of days between two dates input by the user.

```java
package Day20;

import java.time.LocalDate;
import java.time.format.DateTimeFormatter;
import java.time.temporal.ChronoUnit;
import java.util.Scanner;

public class DaysBetweenDates {

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

        // Prompt the user to enter the first date
        System.out.print("Enter the first date (YYYY-MM-DD): ");
        String dateString1 = scanner.nextLine();

        // Prompt the user to enter the second date
        System.out.print("Enter the second date (YYYY-MM-DD): ");
        String dateString2 = scanner.nextLine();

        // Parse the input strings into LocalDate objects
        LocalDate date1 = LocalDate.parse(dateString1, DateTimeFormatter.ISO_LOCAL_DATE);
        LocalDate date2 = LocalDate.parse(dateString2, DateTimeFormatter.ISO_LOCAL_DATE);

        // Calculate the number of days between the two dates
        long daysBetween = ChronoUnit.DAYS.between(date1, date2);

        // Print the result
        System.out.println("Number of days between " + dateString1 + " and " + dateString2 + ": "
+ daysBetween);
    }
}
```