

Task 6: Java 8 Date and Time API

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

```
package test;

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

public class DaysBetweenDatesCalculator {

    public static void main(String[] args){

        Scanner scanner=new Scanner(System.in);

        System.out.print("Enter the first date (yyyy-MM-dd): ");

        String firstDateString=scanner.next();

        System.out.print("Enter the second date (yyyy-MM-dd): ");

        String secondDateString=scanner.next();

        LocalDate firstDate=LocalDate.parse(firstDateString,DateTimeFormatter.ISO_DATE);

        LocalDate secondDate=LocalDate.parse(secondDateString,DateTimeFormatter.ISO_DATE);

        long daysBetween=ChronoUnit.DAYS.between(firstDate,secondDate);

        System.out.println("Number of days between "+firstDate+

            " and "+secondDate+": "+daysBetween+" days");

        scanner.close();

    }

}
```