timeAlive.java

```java
import java.util.Scanner;
import java.util.Calendar;

public class timeAlive {

   public static void main(String[] args) {
        Scanner reader = new Scanner(System.in);
        System.out.print("Enter the month number that you were born in: ");
        int month = reader.nextInt();
        System.out.print("Enter the date that you were born in: ");
        int date = reader.nextInt();
        System.out.print("Enter the year that you were born in: ");
        int year = reader.nextInt();
        reader.close();

        Calendar ohMyImGettingOld = Calendar.getInstance();
        int currentYear = ohMyImGettingOld.get(Calendar.YEAR);
        int currentMonth = ohMyImGettingOld.get(Calendar.MONTH)+1;
        int currentDate = ohMyImGettingOld.get(Calendar.DATE);
        determineYears(currentYear, year, currentMonth, month, currentDate, date);
        determineMonths(currentMonth, month, currentDate, date);
        determineDays(currentYear, currentMonth, month, currentDate, date);

   }

   public static void determineYears(int currentYear, int year, int currentMonth,
   int month, int currentDate, int date) {
        int yearsOld;
        if(currentMonth<month) {
             yearsOld = currentYear-year-1;
        }
        else if(currentMonth>month) {
             yearsOld = currentYear-year;
        }
        else {
             if (currentDate<date) {
                  yearsOld = currentYear-year-1;
             }
             else {
                  yearsOld = currentYear-year;
             }
        }
        System.out.println("Years: " + yearsOld);
   }

   public static void determineMonths(int currentMonth, int month, int currentDate,
   int date) {
        int monthsOld;
        if (currentMonth>month) {
```

```
48              if (currentDate>=date) {
49                   monthsOld = currentMonth - month;
50              }
51              else {
52                   monthsOld = currentMonth - month - 1;
53              }
54         }
55         else if (currentMonth<month) {
56              if (currentDate>=date) {
57                   monthsOld = currentMonth + 12 - month;
58              }
59              else {
60                   monthsOld = currentMonth + 12 - month - 1;
61              }
62         }
63         else {
64              if (currentDate<date) {
65                   monthsOld = 11;
66              }
67              else {
68                   monthsOld = 0;
69              }
70         }
71         System.out.println("Months: " + monthsOld);
72    }
73
74    public static void determineDays(int currentYear, int currentMonth, int month,
      int currentDate, int date) {
75         int daysOld;
76         if (currentDate>=date) {
77              daysOld = currentDate - date;
78         }
79         else {
80              daysOld = currentDate + daysInMonth(currentMonth, currentYear) - date;
81         }
82         System.out.println("Days: " + daysOld);
83    }
84
85    public static int daysInMonth(int currentMonth, int currentYear) {
86         int [] monthDays = {31, daysInFeb(currentYear), 31, 30, 31, 30, 31, 31, 30,
           31, 30, 31};
87         return monthDays[currentMonth-2];
88    }
89
90    public static int daysInFeb(int currentYear) {
91         if (currentYear%400==0) {
92              return 29;
93         }
94         else if (currentYear%100==0) {
95              return 28;
96         }
```

```
 97         else if(currentYear%4==0) {
 98              return 29;
 99         }
100         else {
101              return 28;
102         }
103    }
104 }
```