Practice Exercise #08: Days since 1ˢᵗ January 2014

http://www.comp.nus.edu.sg/~cs1010/4_misc/practice.html

Reference: Week 3

Date of release: 25 August 2014

Objective: Selection statement (switch)

Task statement:

Write a program **DaysSince1Jan2014.c** to read in 2 integers: the day (1 – 31) and month (1 – 12, where 1=January, 12=December). You may assume that the year is 2014, and that the input data are valid, that is, the user will not enter invalid dates such as 31 April.

The program then computes the number of days since 1ˢᵗ January 2014 till that date.

The program should contain a function

<code>int computeDays(int, int)</code>

where the parameters are the input day and month. The function returns an integer which is the number of days since 1ˢᵗ January 2014 till that date.

You are required to use the **switch** statement for this exercise.

Do not use techniques that have not been covered, such as arrays.

The sample runs are shown below. Never mind about the ordinal suffix "th" in the output. In the next practice exercise, we will work on it.

Sample runs:

```
Enter day and month: 1 1
Day 1 of month 1 is the 1th day of 2014.

Enter day and month: 15 8
Day 15 of month 8 is the 227th day of 2014.

Enter day and month: 31 12
Day 31 of month 12 is the 365th day of 2014.
```