

## Practice S02P06: Days since 1<sup>st</sup> January 2017

[http://www.comp.nus.edu.sg/~cs1010/4\\_misc/practice.html](http://www.comp.nus.edu.sg/~cs1010/4_misc/practice.html)

**Week of release:** Week 4

**Objective:** Selection statement (switch)

### Task statement:

Write a program **DaysSince1Jan2017.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 2017, 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 1<sup>st</sup> January 2017 till that date.

The program should contain a function

```
int computeDays(int, int)
```

where the parameters are the input day and month. The function returns an integer which is the number of days since 1<sup>st</sup> January 2017 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 2017.
```

```
Enter day and month: 15 8  
Day 15 of month 8 is the 227th day of 2017.
```

```
Enter day and month: 31 12  
Day 31 of month 12 is the 365th day of 2017.
```