EE231002 Introduction to Programming

Lab04. Calendar of the Month

Due: Oct. 20, 2018

In this lab, you are requested to write a C program that will generate a monthly calendar for a given month of the year 2018. It is known that January 1st of 2018 is a Monday. From this information and an integer given by a user specifying a month, your program will generate a monthly calendar. Examples of program execution are shown below.

```
$ ./a.out
Input a month of 2018: 3
    March 2018
    Sun Mon Tue Wed Thu Fri Sat
                      1   2   3
      4   5   6   7   8   9  10
     11  12  13  14  15  16  17
     18  19  20  21  22  23  24
     25  26  27  28  29  30  31
$ ./a.out
Input a month of 2018: 10
    October 2018
    Sun Mon Tue Wed Thu Fri Sat
          1   2   3   4   5   6
      7   8   9  10  11  12  13
     14  15  16  17  18  19  20
     21  22  23  24  25  26  27
     28  29  30  31
$ ./a.out
Input a month of 2018: 15
    Input error, program aborts!
```

Note that input error handling is also included in your program, as shown in the example output above.

Notes.

1. Create a directory **lab04** and use it as the working directory.

2. Name your program source file as **lab04.c**.

3. The first few lines of your program should be comments as the following.

```
/* EE231002 Lab04. Calendar of the Month
   ID, Name
   Date:
*/
```

4. After finishing editing your source file, you can execute the following command to compile it,

```
$ gcc lab04.c
```

If no compilation errors, the executable file, **a.out**, should be generated, and you can execute it by typing

```
$ ./a.out
```

5. After you finish verifying your program, you can submit your source code by

```
$ ~ee2310/bin/submit lab04 lab04.c
```

If you see a "submitted successfully" message, then you are done. In case you want to check which file and at what time you submitted your labs, you can type in the following command:

```
$ ~ee2310/bin/subrec lab04
```

It will show all your submission records for lab04.