

LAB #5

The objective of the program is to create a time unit converter. Write a C program that displays a menu to the user with three options:

1. Seconds to minutes
2. Minutes to Hours
3. Hours to Days

1. Include comments at the beginning of the program as shown below:

```
/*  
    program: lab5.c  
    author:  firstName, lastName  
    date:    today's date  
    purpose: using switch-case statement  
*/
```

2. First, user is displayed the menu and asked to input an integer representing one of the three options.
3. Second, collect a value from the user to represent seconds, minutes, or hours (whichever **from** value was selected)
4. Convert the inputted value to the selected format with the following formulas:
 - seconds to minutes: $\text{minutes} = \text{seconds} / 60;$
 - minutes to hours:
 - $\text{hours} = \text{minutes} / 60;$
 - $\text{remaining minutes} = \text{minutes} \% 60;$
 - hours to days: $\text{days} = \text{hours} / 24;$

Save program as **lab6.c** and submit it electronically on the Blackboard.