

컴퓨터의 기초 (Fundamentals of Computer System)

Home work #3

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1. Write a program that asks the user to enter the hours and then converts that value to months, days and hours. Also, the program should be able to count the number of cases in which the hours were inserted and add all the inserted hours. Use a while loop to allow the user to repeatedly enter hour values; terminate the loop when the user enters a character value, such as q. For example, if a user enter 2410 hours, the program should display the results in the following format:

2410 hours are 3 months, 10 days, and 10 hours.

When it is terminated, the number of cases and total sum of the inserted hours has to be calculated and displayed. If you entered two times in succession (for example, 2410 hours and 1000 hours), something like the followings should be displayed;

You entered a total of 3410 hours for 2 cases.
3410 hours are 4 months, 22 days, and 2 hours.
Thank you - *feel free to use whatever finishing remark on this.*

For the calculation of the number of cases, use the return value of scanf().

2. Write a program that requests the user to enter a Celsius temperature and then convert it to Fahrenheit. The program should read the temperature as a type double number and pass it as an argument to a user-supplied function called **to_fahrenheit()**. This function should calculate the Fahrenheit equivalent and display two temperatures with a precision of one place to the right of the decimal. It should identify each value with the temperature scale it represents. The **main()** function should use a loop to allow the user to enter temperatures repeatedly, stopping when a q or other non-numeric value is entered.

#Instruction on submission

1. Submit your homework via eTL. Go to '과제' and submit the two program files (*.c). NO homework will be accepted by email.
2. The homework is due by 12pm (24:00) Tuesday 14 April. With 20% penalty, you may submit the homework by 12pm (24:00) Thursday 16 April. NO homework will be accepted after this.
3. You are encouraged to ask questions about this homework in the Q&A of eTL.