The purpose of this assignment is to give you practice in writing a C program with conditionals and loops.

Instructions

In a synchronized slimming contest, each slimmer receives 3 scores, each out of 30. These scores are for Aerobics, Backbone, and Calories. Their overall score is the sum of the scores. A student receives an award of *cum ludo* if they receive at least 20 for each individual score and at least 70 overall.

Write a C program `slimmer.c` that calculates and reports scores as follows:

1. The program is to prompt the user for the number of slimmers.
2. The program then prompts the user for the three scores of each slimmer, calculating and printing out the results for each one.
3. At the end, the program prints a summary that includes the average overall score, the number of *cum ludos*, and the slimmer that received the highest score.

Requirements

1. Save your code as `slimmer.c`
2. Submit your source code using: `handin.101.3 2 slimmer.c`

You are to work independently, but can ask questions from the lecturer and lab instructors. Programs must be submitted on time.

Sample Run (user input in italics)

```
Enter number of slimmers: 3
Enter ABC scores for slimmer 1: 10 20 30
   Overall is 60.00
Enter ABC scores for slimmer 2: 24 24 24
   Overall is 72.00 Cum Ludo
Enter ABC scores for slimmer 3: 30 30 11
   Overall is 71.00
Average was 67.67
Total cum ludo is 1
Winner was 2 with grade of 72.00
```