

## Assignment 2

Due 8pm Sunday September 20

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

### Instructions

In a fruit-eating contest, there are 6 judges. Each judge gives a score out of 10 such as 7.5. The lowest score is discarded and the remaining scores averaged to determine the final score. If the average is 9.0 or above, the participant gets a golden raspberry.

Write a program that calculates and reports score as follows:

1. The program is to prompt the user for the 6 scores in turn, and is to calculate the total and the minimum score as it goes.
2. The program is then to calculate the final score, and print out a suitable message.
3. The program is then to ask the user if they want to enter another set of scores, and if so to repeat the above steps.
4. After all scores are entered, the program prints a summary.

You must ensure that a change in the number of judges will require only minimal changes in the program.

**A sample run is given on the reverse.**

### Requirements

1. Save your code as `golden.c`
2. Submit your source code using: `handin.101.303 2 golden.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)

For competitor 1 enter 6 scores: *4 5 6 7 8 9*

Result for competitor 1 is 7.00

Another score? (1=Yes 0=No) *1*

For competitor 2 enter 6 scores: *9.5 9.5 9.5 9.5 9.5 9.5*

Result for competitor 2 is 9.50 Golden raspberry

Another score? (1=Yes 0=No) *1*

For competitor 3 enter 6 scores: *0 0 0 0 0 0*

Result for competitor 3 is 0.00

Another score? (1=Yes 0=No) *0*

There were 3 competitors.

There were 1 raspberries.

The average score was 5.50.