

LONG EXAM 3

I. True or False. No justification needed (2 pts each)

1. True
2. False
3. True
4. True
5. False

II. Application.

1. Complete the code below by filling up the blanks.

- 1.1 struct employee
- 1.2 char
- 1.3 &emp[i].ename
- 1.4 &emp[i].sal
- 1.5 emp[i].ename
- 1.6 emp[i].sal

2. The code below returns the sum of two fractions. For each of the fraction, the program asks for the numerator and denominator and passes these values to the function sum. The function sum returns the final answer. Below is a sample output of the code. Note that the sum is not simplified. Analyze the code and fill in the missing information.

- 2.1 struct fraction sum (struct fraction f1, struct fraction f2)
- 2.2 {num1, deno1}
- 2.3 {num2, deno2}
- 2.4 result.num
- 2.5 result.deno

Survey/Bonus

1. I think CMSC 21 Lecture has been an effective subject to help us better understand C language. Learning materials were very useful and were great references in doing the activities. However, I just think that the discussions could have been better (but it was good already) if our instructor was able to provide other examples aside from the ones posted on the lecture notes.

2. Adding collaborative activities between the students could be a great factor in enhancing the learning process of the class participants. Moreover, it would help the students prepare in working at codes with other people, which is going to be the set up once in the field already.
3. Take time to study and practice coding to enhance learning acquisition. It would be better to maximize resources and not just rely on limited source codes. It means that trying to study different approaches on a single problem would help you realize which way are you most comfortable at, making you more productive and efficient.
4. Looking back to everything we did on this subject makes me wish that I had tried practicing c language more often and allocated enough period to further understand it. I struggled a lot on various topics and laboratory applications, but maximizing the resources on YouTube, Github, Reddit, etc. has helped me overcome these challenges.