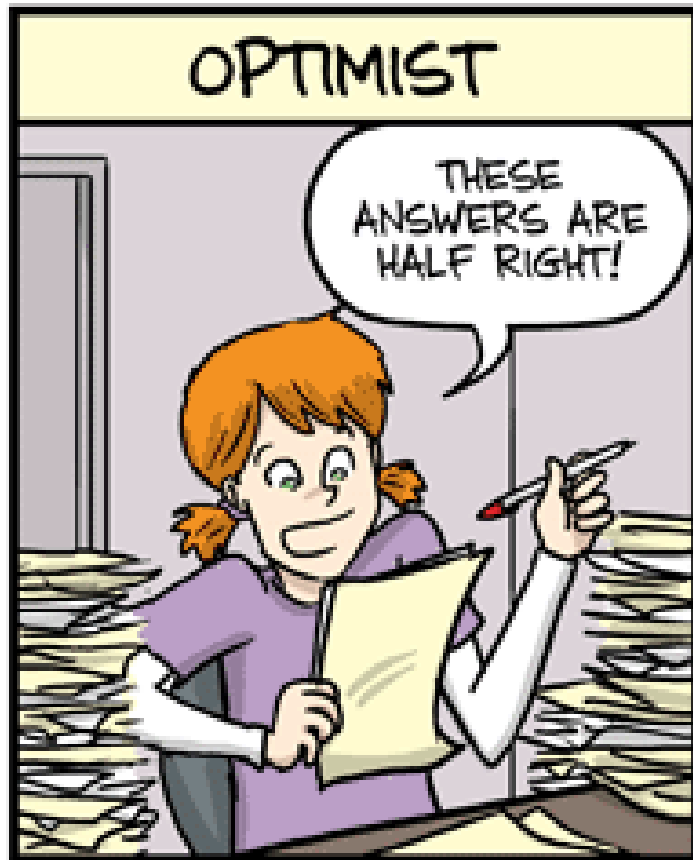


CS 161, Final Lecture

GRADER TYPES



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Course Objectives

- Design and implement programs that require
 - various control statements involving selection and repetition
 - expressions with variables, constants, function calls, pointers, and arithmetic/relational operators with mixed data
 - arrays, strings, and other data structures
 - library functions and programmer-defined functions with parameter-passing by value and by reference
 - abstraction, modularity, separation of concerns
 - use of the object-oriented programming model
- Debug programming syntax and run-time errors.
- Produce recursive algorithms, and choose appropriately between iterative and recursive algorithms.
- Describe and apply basic software engineering design principles and software quality factors.

AMA: End of Term

- When and where are the make-up proficiency demos taking place?
- Where is the final?
- So if you don't pass the Proficiency Demo then what will your grade drop down to, a C-?
- How is the final structured? Is it all multiple choice, T/F? Any short answer? Should we expect to see questions from our past midterms? Are the questions from our midterms being reused?

AMA: Assignment

- How do I implement a game loop for checkers? What does the flow chart look like? I am having trouble wrapping my mind around player turns.
- How do you do the txt file?

AMA: Course Structure

- What is the point in having quizzes in recitation? I thought the point of having a recitation in the first place was to be able to engage in small groups with the TA and be able to ask questions about the material we are covering in class and questions about the assignment that we may be unsure about. If it is merely to make us show up, I think there should just be attendance points for coming and staying for the entire recitation. There is no need for the quizzes.
- Is there any way the department could work on getting a computer lab reserved for Office Hours? It is very tough to get help from the TA's with the minimal number available seats available.

AMA: CS 161 v CS 162

- How much time a week should students spend on CS? It appears as the assignments get more advanced the more time the students must dedicate to CS.
- Any tips for a C average student looking to do better next term in CS162? Definitely asking for a friend.
- How do the assignments compare from 161 to 162? Does assignment 1 of 162 pick up right where 161 leaves, or is there an overlap in the complexity of what will be asked of us due to the new material we will be covering?
- Is CS162 considerably harder than CS161? If so, do you have any advice for us going into CS162?

AMA: Code

- Can python be used on our server? In ece111 we only learned python through code academy and didn't get any experience with compiling in a terminal. What do we use to compile python programs on our server?
- From what I've read while looking into it, is there any real difference between using a struct vs a class or vice versa? They both seem like the same thing except that structs are inherently public and classes are inherently private.
- Do you have to use malloc to dynamically allocate memory in an array?

AMA: Concepts

- How do dimensions bigger than 3 work? As in, how are you supposed to visualize a 4 or 5D array in order to populate it with data or find a specific spot?

AMA

- What's the most difficult CS class that all CS majors have to take for their degree? (In your opinion).
- If we do not pass the course, would you still recommend taking it again if we are interested? Or since it is an intro class we should rethink majors if we are not passing an intro course