Exam 1 Review

Exam Overview

- 2 sections

- 20-25 Multiple Choice Questions (50pts)

- 1 3-part free response (50 pts)

- Worth 20% of grade

Multiple choice topics

- How does cin and cout work

- Vectors and how to use them

- Files (opening, closing, writing)

- Streams (How to use them, Fail states)

Multiple Choice Topics

- Text manipulation (precision, base, width etc.)

- 3 main concepts of OO

- Definition slides

- Classes vs structs

Example Question

- What is the definition of a class?
    - A) A named unit of code that can be invoked from different parts of a program
    - B) Code that is sufficiently complete to be executed by a computer
    - C) A user defined type that may contain data members, functions, and member types
    - D) A declaration or a set of declarations specifying how a piece of code can be called

Multiple choice topics

- Parts of a class

- Public vs Private

- UML

- Include "" vs <>

Example Question

- In class UML diagrams, a "+" sign means which of the following?
  - Public
  - Private
  - Global
  - None of the above

Multiple choice topics

- Makefiles

- Maps

- Operator Overloading

Free Response

- Similar to HW3/4
  - 2 Class diagrams
  - One you write out
  - One is already written out.
    - I ask to look a section of code. Does it compile and/or run as intended?
  - Write out a main that demonstrates how to create and use objects
- Do I expect perfect code?
  - Well... No.
  - But I expect you to be close