Exam I Topics

To prepare for the exam, review the chapters, your notes, previous assignments and quizzes.

Chapter 2

- cout statement
- variables
- data types and sizes

Chapter 3

- cin statement
- Type conversion
- Converting algebraic expressions to programming statements*
- Integer division

Chapter 4

- Relational operators
- Logical operators
- Syntax
  - if else statements
  - switch statements
- Boolean flags

Chapter 5

- The difference between post and prefix increment/decrement
- syntax
  - while loops
do while loops
for loops
• The three parts of a for loop (or any loop)
• Input validation
• Some nested loops
• When to use which loop

General Concepts

• The six parts of a variable
• Tracing code logic by hand
• Using the modulus operator
• Be able to write a simple program by hand
• Identify errors in a program
  • logical errors*
  • syntax errors*