Review for Exam 1

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Topics for the test

- Chapters 1, 2 and 3
- General concepts about computer systems
  - Chapter 1: 1.2, 1.3
- Problem solving steps and Simple C++ programs
  - Data types: char, int, double, Boolean, string
  - Arithmetic Operators: +, -, %, /
  - Relational operators: >, >=, <=, !=, ==
  - Boolean operators: &&, ||
  - Simple input/output
  - Preprocessor commands
  - Pseudo code/algorithm writing
  - Program structure
  - Chapter 2: 2, 2.2, 2.3, 2.4, 2.5, 2.8 (basic math library functions)
Topics for the test (contd.)

- Control Structures
  - if statement
  - if..else statement
  - switch statement
  - while statement
  - for statement
  - do while statement
  - Relational operators.. Conditional expressions
  - Chapter 3: 3.2, 3.3, 3.4
Exam Format and point distribution (tentative)

- Match the lists – 20 points
- Multiple choice – 40 points
- Given a problem write the stepwise solution (algorithm) – 20 points
- Given a problem write the C++ code – 20 points
- Closed book exam. We will give the syntax of statements you need for code writing. No need to memorize them.
What to bring to the exam?

- Pencils, pens, and erasers
- No calculators allowed
- Be on time
- Bring any form of picture ID.
How to prepare?

- Read the chapters and sections indicated.
- Keep the class notes as guideline.
- Work on relevant exercises at the end of the chapters.
- Write the code, execute and check the correctness on Visual C++ environment.
- Stop by my office or send mail to me or TA for any questions you may have.