

# CS120 - Computer Science I

Exam 1 Review

Fall 2014

Topics we covered:

- The basics:
  - Simple data types: `int`, `float`, `double`, `char`
  - Operators, expressions, statements, computer arithmetic
  - Basic I/O - `cin` and `cout`
  - Simple program structure, the preprocessor
- Decision statements:
  - Logical operators and expressions
  - `if` statement
  - `if-else` statement
  - Nested `if` statements
  - `switch-case` statement
- Looping statements:
  - Pre-test statements: `while`, `for`
  - Post-test statement: `do-while`
  - Looping examples and techniques: summation, iteration
- Functions:
  - Function syntax
  - Arguments, call-by-value, call-by-reference
  - Return values
  - Variable scope - local vs global