

CS1428 Final Exam Study Guide

- Boolean Expressions
 - Be able to write
 - Be able to evaluate
- If Statements
- Augmented assignment and increment/decrement operators (`+=`, `++`, etc.)
- Loops
 - Pretest vs posttest
 - Be able to write
 - Be able to trace
- Flowcharts
 - The 4 basic constructs
 - Be able to write
 - Be able to translate into code
- Functions
 - Given a function, be able to write a correct call to it
 - Arguments – right number, order, type, units, value vs reference
 - Write a complete function + prototype and call
 - Scope
 - Usage of a variable or parameter – where is it defined?
 - A definition of a variable or parameter – where does it have scope?
- Files – the 6 parts
- Arrays
 - Declaring vs using
 - Multi-dimensional arrays
- Structs
 - Rick's silly onion metaphor
 - Navigate thru
 - Type of result