

CSC 501 MIDTERM STUDY GUIDE

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This test will have more questions that require coding than just definitions or explanations of concepts.

Make sure you understand the concepts on the Week 3 Study guide. However, the majority of the questions will come from what is indicated below.

Understand the concept an expression and statement. Understand the concept of operator and operands, and priority and associativity of operators.

Understand the concept of a *class constructor*.

Understand the concept of *method overloading*.

Understand the concept of an array, and of an index into an array.

Make sure you understand loops, if statements, and arrays. You should be able to use nested loops to solve problems.

To prepare for the midterm, do the following exercises from the book. These do not have to be submitted for grading.

- (1) programming challenge 3.7
- (2) On page 259, do Algorithm Workbench 3, 6, 9, 13 and 14.
- (3) programming challenge 4.10 and 4.20.

You should understand how to print the elements of an array, how to write code that checks to see if a given value is in an array, how to compute the sum of all integers in an array, and so on.