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A Little About the Midterm

- Review class notes, example programs from class, minute essays, quizzes, and homeworks. Focus more on those than on the textbook.
- Most questions will likely be more difficult (or at least longer) than quiz questions, but similar in format. Might be a few short-answer / multiple-choice questions too.
- Open book, open notes, but no access to Web, so if you want material from the course Web site, please print out hardcopy. (You can use our printers.)
- (Topic by topic through the review sheet.)





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Functions and Parameters

- We said last time that functions have *parameters*. Another word for them is *arguments* (you will see this is some compiler error messages). More terminology:
 - Formal parameters are the parameters as viewed from the function can think of these as additional variables whose scope is the function.
 - Actual parameters are the values with which the function is called.
- When a function is called, actual parameters are copied to formal parameters
 — "pass by value", meaning that changes made in the function to its copies
 are not reflected in the calling program's copies.

Function Return Values

• Most functions return a value (but only one); it's the value of the expression following the keyword return, in the function definition. The type of this value is given as part of the function definition. If you don't want to return anything, can make this void. If you want to return two things? Later ...

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• Function calls are expression, so they have a value — whatever is returned by the function.

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