

Coding, Testing, Debugging

- *incremental development*
 - build up the code in pieces rather than writing the entire program at once
- utilize placeholder variables to help you start with easier steps
- you don't have to refine the entire program to the same level of pseudocode before starting to translate to code
- identify the conditional or loop form or pattern and write the corresponding structure

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- *defensive programming* – adopt strategies that help you avoid making mistakes in the first place
 - always type the } immediately after the {
 - always use {} with if statements
 - use for loops so you don't forget the update
 - use consistent naming conventions
 - utilize autoformat
 - ...