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CS2340 Quiz 1 Notes

> *What is Refactoring?*

Refactoring is applying small, independent techniques to apply transformations into a program

Goal: Keep program readable, understandable, and maintainable.

Key Feature: Behavior-preserving

> *Why Refactor?*

Requirements Change - different designs can be needed over time!

Design needs to be improved - so that new features can be added; design patterns are often a target

Sloppy programming

Refactoring often makes a design more flexible

> *Collapse hierarchy*

merging classes if a subclass and superclass are too similar

> *Extract Method*

If there is a cohesive code fragment in a large method