Refactoring Tips and Principles

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Refactoring

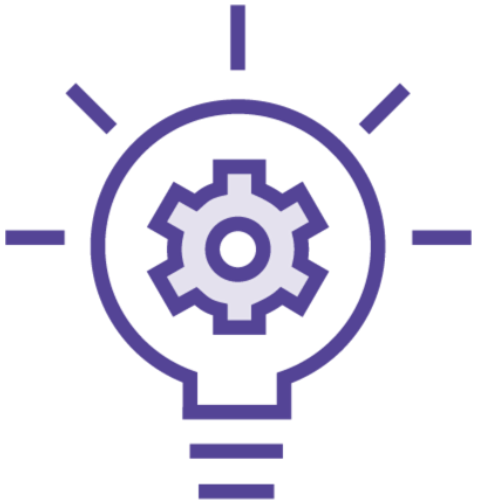
How to be efficient at it?

What?

Why?

When?

When not?



Tips & Principles

Tools

Further Study

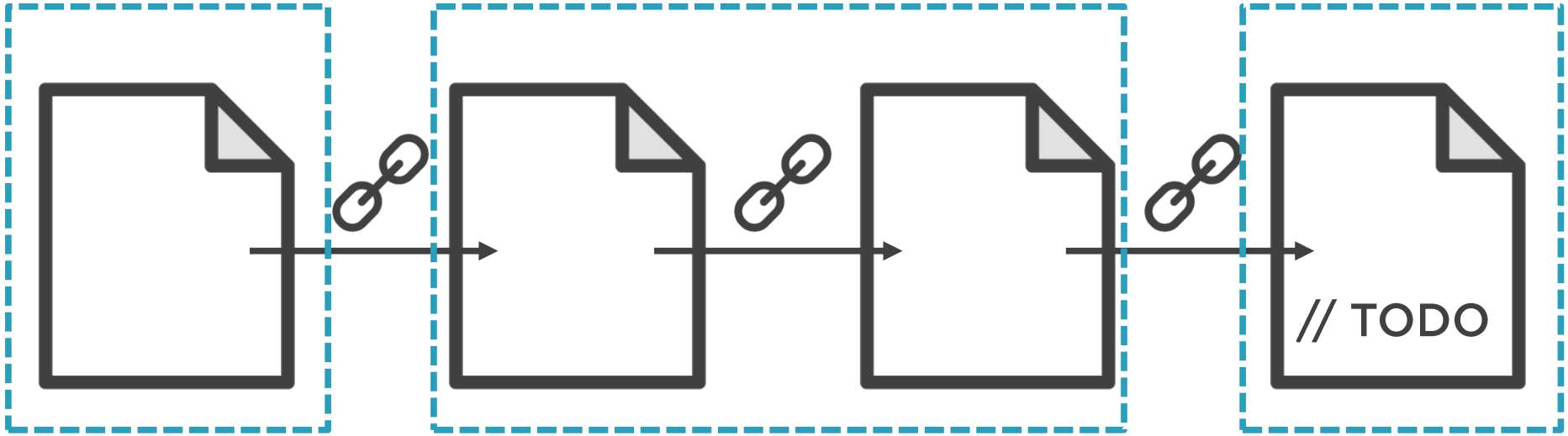
Tips and Principles

- Understand your code well before refactoring
- Create or run existing tests
- Keep each refactoring small
- Manage the scope of refactoring
- Seek help and advice

Standard Refactoring Process

“Refactoring in small steps helps prevent the introduction of defects.”

Joshua Kerievsky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“To get the best refactoring results, you'll want the help of many eyes.”

Joshua Kerievsky

Use Code Review

Static Analysis Tools

IDE

SonarLint

A tool is not a replacement for skills

Further Material

Refactoring (Book) by Martin F.

SOLID Principles of Object Oriented Design

Java: Writing Readable and Maintainable Code

Summary

- Refactor one step at a time
- IDE and static analysis tools are your friends
- Continue learning and practicing