

REFACTORING

WHAT IS REFACTORING?

Transformation of code that has been proven to be
behavior-preserving

Change the source code without changing the behavior in
order to improve nonfunctional attributes of the software

BENEFITS

- Maintainability
- Extensibility

WHEN TO DO REFACTORING?

- Code Smell:
 - Duplicated Code
 - Long Methods
 - God Objects
 - Inappropriate intimacy

REFACTORING TECHNIQUES

- More Abstraction:
 - Encapsulate Field
 - Generalize Type
 - Improve modularity
 - Extract Method
 - Extract Class
 - Improve the responsibility of classes / objects
-

REFACTORING TECHNIQUES

- Improve naming and location of code:
 - Move method or field
 - Rename method or field
 - Pull up
 - Push down
-

DEMO