

# Eclipse Guided Tour – Part 1

Leveraging the IDE

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**pluralsight**  
hardcore developer training

# Overview

- More about shortcuts
- A Few More Tips and Tricks
- Optimizing Your Use of Imports and Includes
- Code Templates
- Code Generation
- Refactoring
- Creating a Code Format Profile
- Help

# More About Shortcuts

- **Shortcut tips in the Popup Windows**
- **Hovering will expose a shortcut**
- **But not always: Quick Switch Editor (Ctrl+e)**
- **See a (partial list) Ctrl+Shift+L**
- **Ctrl+/ comment single or multiple lines**
- **Ctrl+Shift+P move to matching bracket**
- **Ctrl+Shift+O (Java only) and Ctrl+Shift+F**
- **Alt+Shift+Up/Down – Select/Deselect Enclosing Element**
- **Ctrl+Shift+Up/Down – Jump to next field or method**
- **Ctrl-d – Delete Line**
- **Alt+Ctrl+Up/Down – Duplicate line**
- **Shift+F2 – JavaDocs**

# Miscellaneous Tips and Tricks

- Don't forget about CamelCase
- Forcing brace and semicolon to the correct spot (JDT Only)
- Key sequences are underused as shortcuts  
(well, expect for Alt+Shift+Q)
  - Pause after typing the first part of a key sequence
- Quick Diff
- Java Only Features
  - Sort Members...
  - Clean up...

# Optimizing Imports and Includes

- Add Imports and Includes First
- In C++ Add Methods to .h First
- Use Ctrl+Space on imports and includes

# Refactoring

## Java

- Rename
- Extract Function
- Extract Constant
- A couple of dozen more...

## C++

- Rename
- Extract Function (can be used to quickly create new method)
- Extract Constant
- Toggle Function
- Hide Function

# Code Generation Wizards

## ● Java

- Override/Implement Methods
- Generate Getters and Setters
- Generate Delegate Methods...
- Generate toString()...
- Generate hashCode() and equals()...
- Generate Constructor using Fields...
- Generate Constructors from Superclass

## ● C++

- Implement Method
- Generate Getters and Setters

## ● Source Menu/Context menu

## ● Selecting a field or method is optional

# Templates

- **Editor Templates**
- **Code Templates**
  - Comment
  - Code
  - Files (C++ only)
- **Modifying Templates**
- **Creating your own (sneak peek)**
- **Using Templates**
  - Content Assist
  - Template View
  - Surround With
    - Context Menu
    - Alt+Shift+z
    - Content Assist



# Auto Formatting

## ● Colors Vs. Formatting

## ● Live and in Living Color

- General → Appearance → Colors and Fonts
- General → Editors
  - Text Editors
  - Annotations
  - Quick Diff
- <Language> → Editor
- <Language> → Editor → Syntax Coloring

## ● Formatting

- <Language> → Code Style → Formatter

# HELP!

## ● Online

- <http://help.eclipse.org> – the most up to date documentation
- <http://www.eclipse.org/documentation> - older versions

## ● Built-in

- Limited to your existing projects
- Will Always match your version of Eclipse

## ● Filtering with Scope

## ● Undo Scope with Search All Topics

# Query Syntax

- And
- Or
- Not
- Wildcard \*
- Word stemming – compile, compiler, compiling, compilation
- Quoted Strings
- Case Insensitive

# The Three or is it Four Views

- Contents – knowing your place
- Index
- Search
- Bookmarks

# Summary

- **Type Fewer Keystrokes**
- **Let Eclipse Write Code for you**
  - Refactoring
  - Code Generation
  - Quick Fixes
  - Templates
- **If you're stuck turn to Help!**

# Course Summary

## ● Eclipse Home

- <http://www.eclipse.org>
- <http://wiki.eclipse.org>
- <http://wiki.eclipse.org/Category:FAQ>
- <http://www.eclipse.org/downloads/>
- <http://help.eclipse.org/>
- <http://www.eclipse.org/documentation>

## ● CDT

- <http://www.mingw.org/> - for one compiler toolchain
- <http://wiki.eclipse.org/CDT/User/FAQ>

## ● Stackoverflow

- <http://stackoverflow.com/questions/tagged/eclipse>