Intellij IDEA for Java and Spring Developers

A course by Tuna Tore

Installing Java JDK 8

- You can test if Java is installed or not on your computer with **java -version**
- Mac OS users can see installed Java with /usr/libexec/java_home -V
- You should select the right operating system such as Mac OS or Windows
- http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html
- https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html

Installing IntelliJ IDEA Ultimate Edition

- IntelliJ IDEA has two versions: **Community Edition and Ultimate Edition**
  More information: https://www.jetbrains.com/idea/#chooseYourEdition
- Only **Ultimate Edition** supports **Spring Framework** related futures
- Community edition is free (supports JVM development)
- Ultimate edition can be downloaded as a trial for 30 days

Sprint Boot and IntelliJ IDEA

- **Spring Boot** applications require less configuration
- **Spring Boot** applications can be developed faster with auto configuration
- **Spring Boot** provides convention over configuration
- **Spring Boot** provides integrated server support so developers don't need to configure application servers
- Spring Boot application can be created as jar files

https://docs.spring.io/spring-boot/docs/current-SNAPSHOT/reference/html single/#boot-documentation

Section: Editing the code with IntelliJ IDEA Override, Implement Methods, Generate Code and Parameter Info

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Override, Implement Methods, Generate Code and Parameter Info

- **Control** ⌃ **O** Override methods
- **Control** ⌃ **I** Implement methods
- ⌘ **N** Generate code
- ⌘ **P** Parameter info

Override, Implement Methods, Generate Code and Parameter Info (Windows/Linux)

- **Ctrl + O** Override methods
- **Ctrl + I** Implement methods
- **Alt + Insert** Generate code
- **Ctrl + P** Parameter info

Section: Editing the code with IntelliJ IDEA
Comment, uncomment, delete code

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Comment, uncomment, delete code

- ⌘ / Comment with line comment
- ⌥ ⌘ / Comment with block comment
- ⌘ / Delete line at caret
- ⌥ ⌫ Delete word

Comment, uncomment, delete code (Windows/Linux)

- **Ctrl + /** Comment with line comment
- **Ctrl + Shift + /** Comment with block comment
- **Ctrl + Y** Delete line at caret
- **Ctrl + Backspace** Delete word

Section: Editing the code with IntelliJ IDEA

Optimize Imports, Formatting code, Folding and unfolding code

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Optimize Imports, Formatting code, Folding and unfolding code

- ⌃ ⌥ **O** Optimize imports
- ⌘ ⌥ **L** Reformat code
- ⌘ **+** Folding
- ⌘ **-** Collapse

Optimize Imports, Formatting code, Folding and unfolding code (Windows/Linux)

- **Ctrl + Alt + O** Optimize imports
- **Ctrl + Alt + L** Reformat code
- **Ctrl + NumPad+** Folding
- **Ctrl + NumPad-** Collapse

Section: Editing the code with IntelliJ IDEA
Indent, unindent, move line and statement, extend and shrink selection

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Indent, unindent, move line and statement, extend and shrink selection

- ⇥ Indent selection
- ⇧⇥ Unindent selection
- ⇧⌘↑ **or** ⇧⌘↓ Move line and statement
- ⌥↑ Extend selection
- ⌥↓ Shrink selection

Indent, unindent, move line and statement, extend and shrink selection (Windows/Linux)

- ⭾ Indent selection
- ⇧⭾ Unindent selection
- **Ctrl + Shift + ↑ or Ctrl + Shift + ↓** Move line and statement
- **Ctrl + W** Extend selection
- **Ctrl + Shift + W** Shrink selection

Section: Editing the code with IntelliJ IDEA
Code snippets and Live templates

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Code snippets and Live templates

- ⌘ ⌥ **T** Surround with
- ⌘ ⌥ **J** Surround with live template
- ⌘ **J** Insert live template

Code snippets and Live templates (Windows/Linux)

- **Ctrl + Alt + T** Surround with
- **Ctrl + Alt + J** Surround with live template
- **Ctrl + J** Insert live template

Section: Navigation

Searching Everywhere, Go to Class, File and Symbol in IntelliJ IDEA

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Searching Everywhere, Go to Class, File and Symbol in IntelliJ IDEA

- **Double** ⇧ Search Everywhere
- ⌘ **O** Go to Class
- ⌘ ⇧ **O** Go to File
- ⌘ ⌥ **O** Go to Symbol

Searching Everywhere, Go to Class, File and Symbol in IntelliJ IDEA (Windows/Linux)

- **Double** ⇧ Search Everywhere
- **Ctrl + N** Go to Class
- **Ctrl + Shift + N** Go to File
- **Ctrl + Alt + Shift + N** Go to Symbol

Section: Navigation
Recent Files, Bookmarks and TODO

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Recent Files, Bookmarks and TODO

- ⌘ **E** Recent Files
- **F3** Toggle Bookmark
- ⌘ **F3** Show bookmarks
- ⌘ **6** TODO

Recent Files, Bookmarks and TODO (Windows/Linux)

- **Ctrl + E** Recent Files
- **F11** Toggle Bookmark
- **Shift + F11** Show bookmarks
- **Alt + 6** TODO

Section: Navigation
Finding usages

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Finding usages

- ⌘ **F** Find
- ⌘ ⇧ **F** Find in path
- ⌥ **F7** Find Usages ⌘ **F7** Find usages in File
- ⌘ ⇧ **F7** Highlight usages

Finding usages (Windows/Linux)

- **Ctrl + F** Find
- **Ctrl + Shift + F** Find in path
- **Alt + F7** Find Usages **Ctrl + F7** Find usages in File
- **Ctrl + Shift + F7** Highlight usages

Section: Navigation
Navigating inside files

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Navigating inside files

- ⌘ **L** Go to line
- ⌥ **Space** Open definition lookup
- ⌘ **U** Go to super method and class

Navigating inside files (Windows/Linux)

- **Ctrl + G** Go to line
- **Ctrl + Shift + I** Open definition lookup
- **Ctrl + U** Go to super method and class

Section: Navigation

Structure, type hierarchy and find Implementations

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Structure, type hierarchy and find Implementations

- ⌘ **F12** File structure
- ⌃ **H** Type hierarchy
- ⇧ ⌘ **H** Method hierarchy
- ⌃ ⇧ **B** Go to type declaration
- ⌘ ⌥ **B** Go to implementation

Structure, type hierarchy and find Implementations (Windows/Linux)

- **Ctrl + F12** File structure
- **Ctrl + H** Type hierarchy
- **Ctrl + Shift + H** Method hierarchy
- **Ctrl + Shift + B** Go to type declaration
- **Ctrl + Alt + B** Go to implementation

"Thank You!"

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- Tuna Tore