



# IntelliJ IDEA Dojo

Daniel Hinojosa

Twitter: @dhinojosa

Email: [dhinojosa@evolutionnext.com](mailto:dhinojosa@evolutionnext.com)





Tool Windows



# Tool Windows Navigation



**ALT-0...ALT-9**

Open Corresponding Tool Window

**CTRL-E**

View Recent Files, Includes Tool Windows

**CTRL-SHIFT+E**

View Recent Files, Includes Tool Windows

**ESC**

Return to the Editor

**CTRL+SHIFT+F12**

Maximize the Editor

**SHIFT+ESCAPE**

Close Current Tool Window



# Tool Windows Navigation



COMMAND(⌘) + 0...COMMAND(⌘) + 9

Open Corresponding Tool Window

COMMAND(⌘)-E

View Recent Files, Includes Tool Windows

COMMAND(⌘)-SHIFT+E

View Recent Edited Locations

ESCAPE(⌫)

Return to the Editor

COMMAND(⌘)+SHIFT(⇧)+F12

Maximize the Editor

SHIFT(⇧)+ESCAPE(⌫)

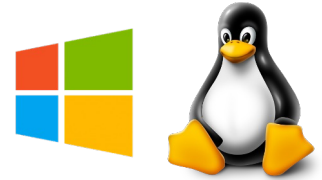
Close Current Tool Window



Find Action



# Action Keys



CTRL-SHIFT-A Find Action

CTRL-CTRL Run Anything

SHIFT-SHIFT Search Everywhere



# Action Keys



SHIFT(⇧)+COMMAND(⌘) + A Find Action  
CONTROL(^) + CONTROL(^) Run Anything  
SHIFT(⇧)+ SHIFT(⇧) Search Everywhere





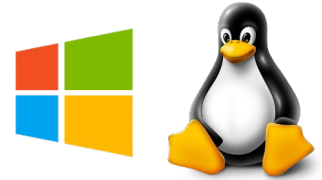
Dojo: Tool Windows



Finding Stuff



# Action Keys



CTRL-N Go to class

CTRL-SHIFT-N Go to file

CTRL-ALT-SHIFT-N Go to symbol



# Finding Items



COMMAND(⌘) + O Find Class

COMMAND(⌘) + SHIFT(⇧) + O Go to File

COMMAND(⌘) + OPTION(⌥) + O Go to File



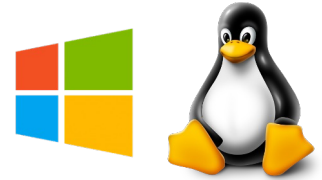
Dojo: Finding Files



Navigating Errors



# Navigating Errors



**F2**

Move to the Next Highlighted Issue

**ALT+ENTER**

Propose a Fix



# Navigating Errors



F2

Move to the Next Highlighted Issue

OPTION(⌘) + RETURN(↵)

Propose a Fix





Dojo: Finding Errors



Generating Files & Code



# Generating Files and Code



ALT+INSERT Generate File or Code



# Generating Files and Code



COMMAND( $\text{⌘}$ ) + N or  
CONTROL(^) + RETURN( $\text{↵}$ )

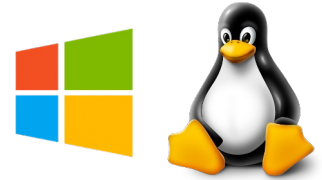
Generate File or Code



Formatting Code



# Formatting Code



**CTRL + ALT + L**

Format All Code (includes imports)

**CTRL + ALT + O**

Optimize Imports

**CTRL + ALT + I**

Format Line by Line



# Formatting Code



COMMAND( $\text{⌘}$ ) + OPTION( $\text{⌥}$ ) + L

Format All Code (includes imports

CONTROL( $\text{⌘}$ ) + OPTION( $\text{⌥}$ ) + O

Optimize Imports

CONTROL( $\text{⌘}$ ) + OPTION( $\text{⌥}$ ) + I

Format Line by Line



Dojo: Generating Code





The Blob

IRVIN S. TEAWORTH, JR.'s

# THE BLOB

INDESCRIBABLE...

INDESTRUCTIBLE...

NOTHING CAN STOP IT!

TONY LYN presents

## THE BLOB

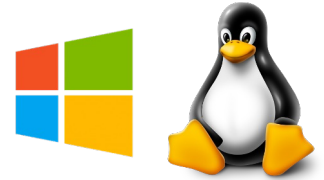
starring

STEVE MCQUEEN,  
ANETA CORSAUT, STEPHEN CHASE,  
EARL ROWE, OLIN HOWLIN,  
JOHN BENSON & GEORGE KARAS





# Selecting Code Blocks



CTRL + W Increase Code Block

CTRL + SHIFT + W Decrease Code Block





# Selecting Code Blocks



OPTION( $\neg$ ) + UP( $\uparrow$ ) Increase Code Block

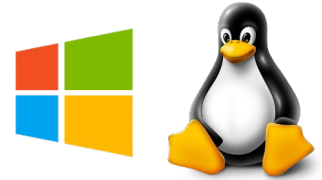
OPTION( $\neg$ ) + DOWN( $\downarrow$ ) Decrease Code Block



# Editing Basics



# Editing Basics



CTRL+Y Delete Line at Caret

CTRL+D Duplicate Line at Caret

CTRL+X Cut Line at Caret

CTRL+C Copy Line at Caret

CTRL+V Paste Line at Caret

CTRL+SHIFT+V Paste From History



# Editing Basics



COMMAND(⌘)+DELETE(⌫)

Delete Line at Caret

COMMAND(⌘)+D

Duplicate Line at Caret

COMMAND(⌘)+X

Cut Line at Caret

COMMAND(⌘)+C

Copy Line at Caret

COMMAND(⌘)+V

Paste Line at Caret

COMMAND(⌘)+SHIFT(⇧)+V

Paste From History

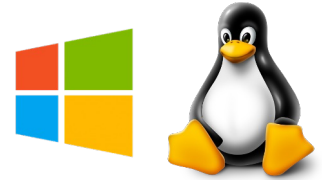


# Surround Blocks and Selections





# Surround Blocks and Selections



CTRL + ALT + T Surround Block or Selection



# Surround Blocks and Selections



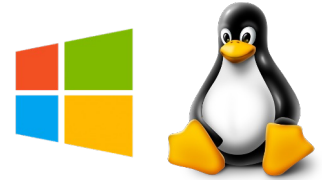
COMMAND( $\text{⌘}$ ) + OPTION( $\text{⌥}$ ) + T  
Surround Block or Selection



Dojo: Using Blobs



Usages



**Ctrl + Alt + B** Go to Implementation

**Ctrl + B** Go to Declaration

**Alt + F7/Ctrl + F7** Find Usages/Find in File



# Usages



COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + B

Go to Implementation

COMMAND( $\mathbb{H}$ ) + B

Go to Declaration

OPTION ( $\neg$ ) + F7 / COMMAND( $\mathbb{H}$ ) + F7

Find Usages/Find In Files



Dojo: Usages

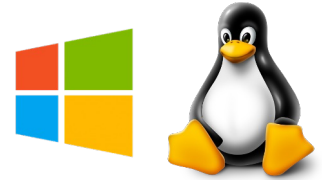


Code Completion





# Code Completion



**CTRL + SPACE**

Basic Code Completion

**CTRL + ALT + SPACE**

Code Completion that shows inaccessible members

**CTRL + SHIFT + SPACE**

Type Sensitive Code Completion

**CTRL + SHIFT + ENTER**

Complete Statement

**CTRL + P**

Parameter Info

**CTRL + SHIFT + P**

Type Info



# Code Completion



CONTROL(^) + SPACE

Basic Code Completion

CONTROL(^) + OPTION (⌘) + SPACE

Code Completion that shows inaccessible members

CONTROL(^) + SHIFT(⇧) + SPACE

Type Sensitive Code Completion

COMMAND(⌘) + SHIFT(⇧) + RETURN(↵)

Complete Statement

COMMAND(⌘) + P

Parameter Info

CONTROL(^) + SHIFT(⇧) + P

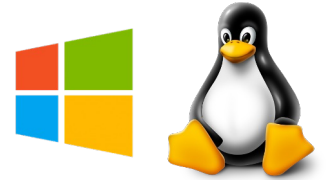
Type Info



Moving Code



# Moving Code



**CTRL + SHIFT + UP/DOWN**

Move either line or method, depending on caret location



# Moving Code



SHIFT (⇧) + COMMAND (⌘) + UP (↑)/DOWN (↓)

Move either line or method, depending on  
caret location



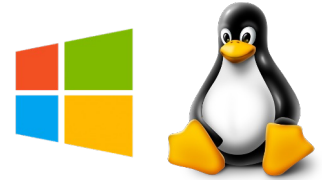
Dojo: Moving Code



Code Documentation  
& Help



# Code Documentation and Help



**CTRL + Q**

Quick Documentation Lookup

**CTRL + SHIFT + I**

Quick Definition Lookup

**ALT+Q**

Context Info

**CONTROL(^) + SHIFT (↑) + P**

Type Info (Twice to show more)





# Code Documentation and Help



CONTROL(^) + J

Quick Documentation

OPTION(⌘) + SPACE or COMMAND (⌘) + Y

Quick Definition Lookup

CONTROL(^) + SHIFT (⇧) + Q

Context Info

CONTROL(^) + SHIFT (⇧) + P

Type Info (Twice to show more)



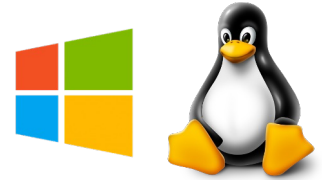
Dojo: Documentation  
and Info



Running



# Running



All runs are contextual, this includes main methods, tests, test folders, HTTP files, and more.

**CTRL + SHIFT + F10**

Run and mark your last run

**SHIFT + F10**

Run the last marked location



# Running



All runs are contextual, this includes main methods, tests, test folders, HTTP files, and more.

**CONTROL(^) + R**

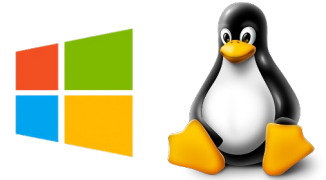
Run and mark your last run

**CONTROL(^) + SHIFT (⇧) + R**

Run the last marked location



Testing



**CTRL + SHIFT + T**

Toggle Between Test and Production



Testing



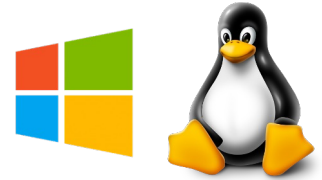
COMMAND(⌘) + SHIFT (⇧) + T

Toggle Between Test and Production





Dojo: Running and  
Testing



**Alt + Shift + F10/F9**

Select Configuration + Debug

**Ctrl + Shift + F10/F9**

Run Context Configuration Debug



CONTROL(^) + D

Run Previous Test Selection

CONTROL(^) + SHIFT (↑) + D

Run Context Configuration Debug



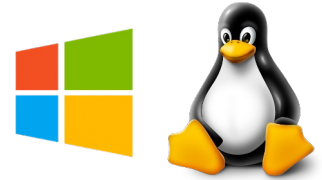
Dojo: Debugging



Refactoring



# Refactoring (Part 1)



**CTRL + ALT+ SHIFT + T**

Refactor This...

**F5**

Copy item

**F6**

Move item

**SHIFT+F6**

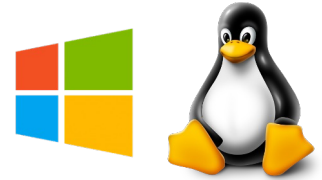
Rename globally

**ALT+DELETE**

Safe Delete



## Refactoring (Part 2)



Ctrl + Alt + N Inline

Ctrl + Alt + M Extract Method

Ctrl + Alt + V Extract Variable

Ctrl + Alt + F Extract Field

Ctrl + Alt + C Extract Constant

Ctrl + Alt + P Extract Parameter



# Refactoring (Part 1)



**CONTROL(^) + T**

Refactor This

**F5**

Copy item

**F6**

Move item

**SHIFT(⇧)+F6**

Rename globally

**COMMAND(⌘)+DELETE**

Safe Delete





## Refactoring (Part 2)



COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + N

Inline

COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + M

Extract Method

COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + V

Extract Variable



## Refactoring (Part 3)



COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + F

Extract Field

COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + C

Extract Constant

COMMAND( $\mathbb{H}$ ) + OPTION( $\neg$ ) + P

Extract Parameter



Dojo: Refactoring



HTML/XML Editing



# HTML/XML Editing

<http://docs.emmet.io/abbreviations/syntax/>

<https://docs.emmet.io/cheat-sheet/>



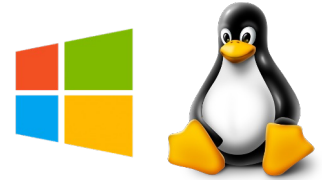
Dojo: Hey Emmet



Version Control



# Version Control



**ALT + 0**

Version Control Window

**CTRL + K**

Commit

**CTRL+T**

Update Project

**CTRL + SHIFT + K**

Push

**ALT + ` (Backquote)**

Version Control Quick Help





# Version Control



COMMAND(⌘) + O

Version Control Window

COMMAND(⌘) + K

Commit

COMMAND(⌘) + T

Update Project

COMMAND(⌘) + SHIFT(⇧) + K

Push

CONTROL(^) + V

Version Control Quick Help



# Version Control Conflicts



# Version Control Conflicts

Merge Revisions for C:\IdeaProjects\help-sources\intellij-platform\topics\Install\_and\_set\_up\_product.xml

3 changes, 1 conflict

Local Changes (Read-only) LF Result CRLF Changes from Server (revision cf342407e563428a6a781d1abbbe3f7a5... LF

46 46 (32 or 64 bit)

47 47 </td>

48 48 <td>

49 49 MacOS 10.5 or higher

50 50 <br/>

51 51 (only 64-bit systems are

52 52 </td>

53 53 <td>

54 54 <list type="bullet">

55 55 <li>

56 56 OS Linux (only 6

57 57 </li>

58 58 <li>

59 59 KDE, Gnome or Un

60 60 </li>

61 61 </list>

62 62 </td>

63 63 </tr>

64 64 </table>

65 65 </chapter>

66 66 <chapter title="Download and install %product

67 67 <p>

68 68 %product% is available in two editio

69 69 The Community edition is an open-sou

70 70 edition is commercial, and provides

71 71 see the <a href="https://www.jetbrai

72 72 </p>

73 73 <p>

74 74 To install %product%

75 75 </p>

76 76 <list type="decimal">

77 77 <li>

78 78 <a href="https://www.jetbrains.c

79 79

49 49 MacOS 10.5 or higher

50 50 <br/>

51 51 (only 64-bit systems are st

52 52 </td>

53 53 <td>

54 54 <list type="bullet">

55 55 <li>

56 56 OS Linux (note that

57 57 </li>

58 58 <li>

59 59 KDE, Gnome or Uni

60 60 </li>

61 61 </list>

62 62 </td>

63 63 </tr>

64 64 </table>

65 65 </chapter>

66 66 </chapter>

67 67 <chapter title="Download and install %product

68 68 <p id="editions">

69 69 %product% is available in two editor

70 70 The <control>Community</control> edit

71 71 The <control>Ultimate</control> editi

72 72 For details, see the <a href="https://

73 73 </p>

74 74 <p>

75 75 To install %product%

76 76 </p>

77 77 <list type="decimal">

78 78 <li>

79 79 <a href="https://www.jetbrains.co

80 80 </li>

81 81 <li>

82 82 Do the following depending on your

>> Accept Left Side  
<< Accept Right Side  
Resolve using Left  
Resolve using Right  
Resolve Automatically  
X Ignore  
Compare with Clipboard  
Annotate

Ignore  
Ctrl+click to resolve conflict

Accept  
Ctrl+click to resolve conflict

Accept Left Accept Right Apply Abort



Column Selection Mode



# Column Selection Mode



ALT+SHIFT+INSERT Column Selection Mode



# Column Selection Mode

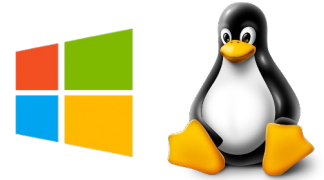


SHIFT(↑)+COMMAND(⌘) + 8

Column Selection Mode



Multicursors



**ALT+SHIFT+ [Click]**

Start Multicursors

Delete Single Multicursor

Note: Can be used in ranges as well

**ALT+J**

Select Next Word Occurrence

**ALT+SHIFT+J**

Select All Word Occurrences

Can be used with Find...





OPTION(⌘) + SHIFT(⇧) + [Click]

Start Multicursors

Delete Single Multicursor

Note: Can be used in ranges as well

CONTROL(^) + G

Select Next Word Occurrence

CONTROL(^) + COMMAND(⌘) + G

Select All Word Occurrences

Can be used with Find...



Presentation Mode



Build Tools Support



# Build Tools Support



- Maven
- Gradle
- SBT
- Leiningen
- Rake
- Buildr
- Ant
- Gant



Live Templates



# Live Templates



- Use live templates to insert common constructs into your code, such as
  - Loops,
  - Conditions,
  - Various declarations
  - Print statements



Dojo: Live Templates



Alternative Languages





# Alternate Languages



- Kotlin
- Scala
- Groovy
- JRuby
- Jython
- JavaScript
- Haskell
- Other Products



Audience Favorites

# Thanks!

Email: [dhinojosa@evolutionnext.com](mailto:dhinojosa@evolutionnext.com)

Twitter: [@dhinojosa](https://twitter.com/dhinojosa)