Intentions

Intentions are triggered in IntelliJ when you use option/alt+enter over some code element. The available options differ depending on the code element. You can see all available intentions in the Editor –> Intentions section of the IntelliJ preferences/settings.

Here are the most important categories:

- Boolean (expand boolean to if statements, flip or negate comparisons, . . .)
- Conditional/ternary operator (flip conditional, replace if-else with conditional)
- Control flow:
  - Create enum switch branches, create switch statement
  - Extract if conditions
  - Invert if, merge else if, split if, swap ifs
  - Iterate
  - Replace for-each loop with indexed or iterator for loop
- Declarations
  - Assign parameter to field, bind parameters to fields, create field for parameter
  - Convert interface to abstract class
  - Join/split declaration and assignment, move initializer to constructor/setup
  - Create test class for a class
  - Generate overloaded method with default parameter values
  - Implement abstract class
- Imports
  - Add on-demand static import, expand static import
  - Add single member static import
- Visibility/scope (make package-private/private/protected/public)
- Various
  - Add clarifying parens
  - Compute constant value
  - Call chain <—-> call sequence
- Refactorings
  - Introduce local variable
  - Encapsulate field

- Strings

  - Break string at newlines
  - Join concatenated literals
  - Replace + with StringBuilder
  - String concat <——> String.format