Apply the question assessment rubric first, which always takes precedence. Penalty points can only be deducted in a part of the question that has earned credit via the question rubric. No part of a question (a, b, c) may have a negative point total. A given penalty can be assessed only once for a question, even if it occurs multiple times or in multiple parts of that question. A maximum of 3 penalty points may be assessed per question.

1-Point Penalty

v) Array/collection access confusion (`[]` `get`)

w) Extraneous code that causes side-effect (e.g., printing to output, incorrect precondition check)

x) Local variables used but none declared

y) Destruction of persistent data (e.g., changing value referenced by parameter)

z) Void method or constructor that returns a value

No Penalty

o Extraneous code with no side-effect (e.g., valid precondition check, no-op)

o Spelling/case discrepancies where there is no ambiguity*

o Local variable not declared provided other variables are declared in some part

o `private` or `public` qualifier on a local variable

o Missing `public` qualifier on class or constructor header

o Keyword used as an identifier

o Common mathematical symbols used for operators (× • ÷ $\leq$ $\geq$ <> $\neq$)

o `[]` vs. `()` vs. `<>`

o `=` instead of `==` and vice versa

o `length`/`size` confusion for array, String, List, or ArrayList; with or without ( )

o Extraneous `[]` when referencing entire array

o `[i,j]` instead of `[i][j]`

o Extraneous size in array declaration, e.g., `int[size] nums = new int[size];`

o Missing ; where structure clearly conveys intent

o Missing { } where indentation clearly conveys intent

o Missing ( ) on parameter-less method or constructor invocations

o Missing ( ) around `if` or `while` conditions

*Spelling and case discrepancies for identifiers fall under the "No Penalty" category only if the correction can be **unambiguously** inferred from context, for example, "ArayList" instead of "ArrayList". As a counterexample, note that if the code declares "`int G=99, g=0;`", then uses "`while (G < 10)`" instead of "`while (g < 10)`", the context does **not** allow for the reader to assume the use of the lower case variable.*