

Educators' Beliefs

81%

If you have taught introductory Java programming: could you please check exactly five of the mistakes which you have seen beginners make most often.

- | | |
|---|--|
| | Select Five |
| A: Confusing the assignment operator (=) with the comparison operator (==). | <input checked="" type="checkbox"/>
Select Five |
| B: Use of == instead of .equals to compare strings. | <input checked="" type="checkbox"/>
Select Five |
| C: Unbalanced parentheses, curly brackets, square brackets and quotation marks, or using these different symbols interchangeably. | <input type="checkbox"/>
Select Five |
| D: Confusing “short-circuit” evaluators (&& and & and | <input type="checkbox"/>
Select Five |
| E: Incorrect semi-colon after an if selection structure before the if statement or after the for or while repetition structure before the respective for or while loop. | <input type="checkbox"/>
Select Five |
| F: Wrong separators in for loops (using commas instead of semi-colons). | <input type="checkbox"/>
Select Five |
| G: Inserting the condition of an if statement within curly brackets instead of parentheses. | <input type="checkbox"/>
Select Five |
| H: Using keywords as method names or variable names. | <input type="checkbox"/>
Select Five |

I: Invoking methods with wrong arguments (e.g. wrong types).


Select
Five

J: Forgetting parentheses after a method call.

Select
Five

K: Incorrect semicolon at the end of a method header.

Select
Five

L: Getting greater than or equal/less than or equal wrong, i.e. using `=>` or `=<` instead of `>=` and `<=`.

Select
Five

M: Trying to invoke a non-static method as if it was static.

Select
Five

N: A method that has a non-void return type is called and its return value ignored/discarded.

Select
Five

O: Control flow can reach end of non-void method without returning.


Select
Five

P: Including the types of parameters when invoking a method.

Select
Five

Q: Incompatible types between method return and type of variable that the value is assigned to.


Select
Five

R: Class claims to implement an interface, but does not implement all the required methods.

Select
Five

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