

Problem of the Week

Week 10

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1 Corrections

1. Line 6 - Although not a logical error, `found_value` is an unnecessary variable and not used anywhere else in the program
2. Line 8 - The control statement for the loop is doing a shallow comparison of objects as opposed to comparing the actual integer values. It should be changed to `i.equals(new Integer(data.length))`
3. Line 9 - Setting `is_found` to false on each element that is not the element we are looking for is incorrect. If the value we are looking for appears before any other value, then we will lose the correct `is_found` state.
4. Line 9 - On top of the previously mentioned error, comparing `Double`'s with `!=` is not sufficient, `!data[i].equals(x)` should be used.
5. Line 11 - The braces on the else have been omitted, this means that `is_found` will be set to true on each iteration of the loop, regardless of the outcome of the attached if.
6. Line 15 - The return statements are mixed up. Furthermore, lines 15 to 18 could be reduced to simply *`return is_found`*.