

True-False solutions to HW1

1. False (private variable cannot be seen by subclasses)
2. False (cannot instantiate an abstract class)
3. False (can be modified)
4. True (automatic type promotion)
5. True (Checked exception need to be handled or thrown again)
6. False (Creates the array, but not the objects, each element is initialized to null)
7. False (Not sure but I think it uses ChangeListener, not ActionListener)
8. False (Different signatures)
9. False (Works only on sorted arrays)
10. True (Polymorphism)
11. True
12. True (Calls format(String format, Object... o) correctly)
13. ~~True (not the same object, so == returns false, whereas equals has been overridden)~~
False (== also returns true, because of how java deals with strings that are exactly the same, it actually saves a copy of each unique string and all strings which are the same reference that one string UNLESS you created it using new String())
14. True
15. False (Invalid syntax in java)
16. False (primitives cannot be null, default boolean is false)
17. False (array indices are of type int)
18. False (Implicit super() call if no super call present)
19. True
20. True (As long as only one class is public)
21. True
22. False (return type of sqrt is double which needs to be type casted to store in an int)
23. False (static variables can be protected too)
24. False (You can catch the exception)
25. False (cases can only be constants)