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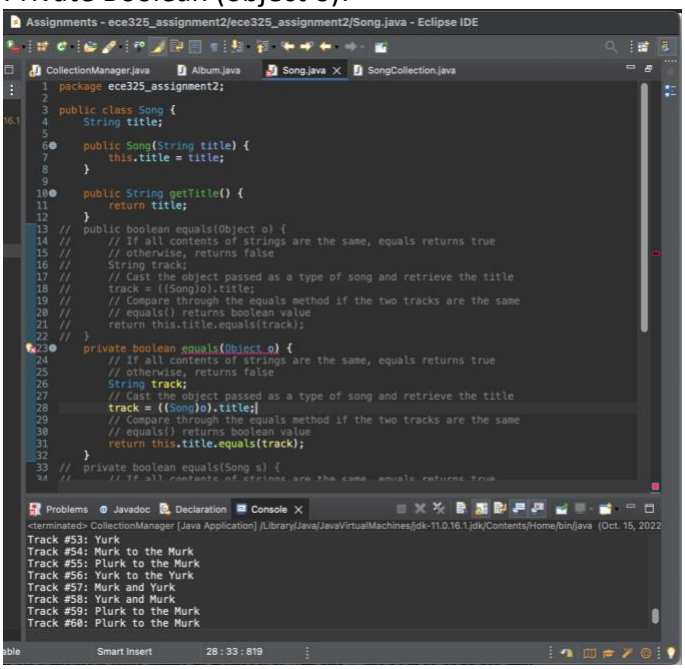
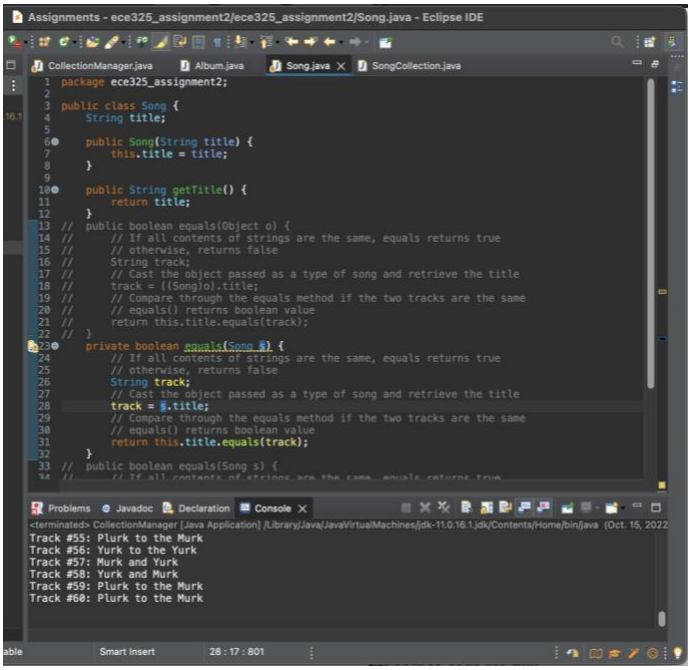
Question 1:

Private Boolean (object o):



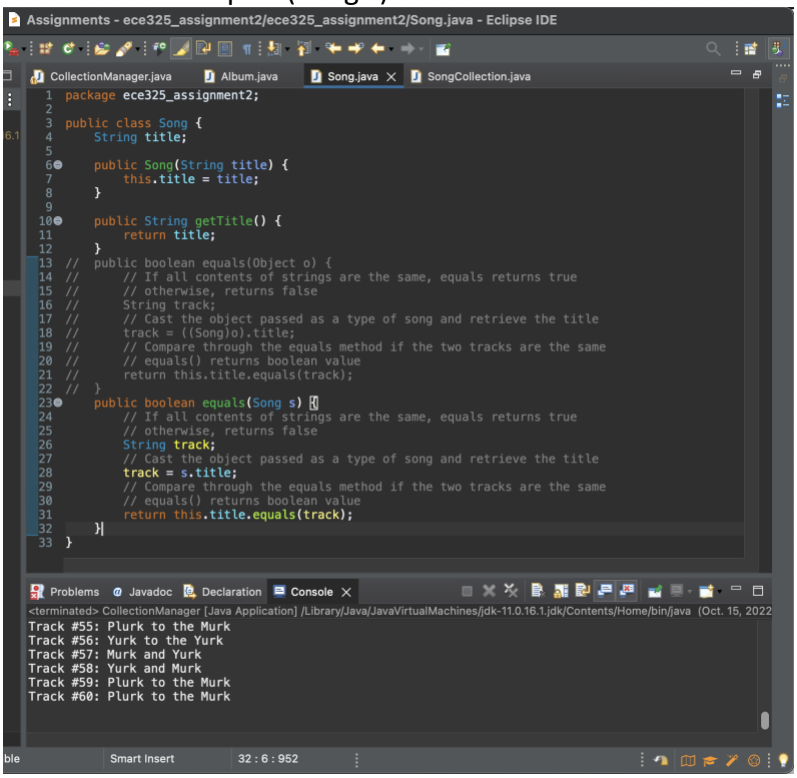
Does not work because it is no longer accessible, being a private method.

Private Boolean equals(Song s):



Doesn't work either – returns all the songs, including duplicates, just as private did. This is because we don't even enter the method.

Public Boolean equals(Song s):



Again, doesn't work.

Question 4:

If we add null, equals does not complain about this because the objects that we are comparing aren't references to anything – meaning, we do not have to dereference a pointer that doesn't reference anything because the object is itself.