

Lab Report 3

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Reflection:

After drafting a deep copy structured array using the non-primitive Student cloning method, I wrote a for-each loop that instantiates all the elements in the original and primitive studentArray onto a deep copied list. Then I used a non-primitive Iterator method to remove the second object in studentArray and transversed it with the string "Micheal Jordan" which was amended onto the newly formed list. Once everything worked properly, I wrote another for-each loop that removes students with even numbered RedIDs. After upgrading the PowerShell in the IntelliJ Terminal, the full academic record was copied and printed in ~44 milliseconds.

My answers:

Lab 3 is a Java framework in progress that serves as a test suite for testing various operations and behaviors of ArrayLists, which are dynamic-sized lists. The purpose of this code is to demonstrate and test various ArrayList-related functionalities. In creating a shallow copy, if the field value is a reference to an object it copies the reference, and if the field value is a primitive type, it copies the value of the primitive type onto the non-primitive ArrayList. In a deep copy, objects within the ArrayList are dereferenced and a new copy of the objects is created.

Screenshots:

