**Familiarity Review**

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**Date:** Sep 25th, 2019

**Week:** 2

**Coding Topic:** **Java Collections**

**Description of Understanding:** The use of Java Collection in programming is essential for a program to run as it is intended to. It provides a programmer the ability to complete a specific task with ease. And as such, this is a framework collection of an interfaces and classes that are meant to store and process data fast and efficient.

**Please a point to Note:** As this is the starting week of our personal assignments and familiarity works, my team members are yet to set up our first meeting which we will be holding this week. I hope our meeting kicks in and upcoming weeks will be much better than this week. Thank you.

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| **File** | **Git Link** |
| **Java Collections** | <https://github.com/nkenta/cit360/tree/master/JavaCollections> |

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| **What should I be looking for?** | **Sandbox or Your code?** |
| This is a fluency report for Java Collections. A link to my GitHub account is here as well. In this code you will find elements like:  **Array list:** This adds names of fruit into an array while omitting one from the list. Also, you get to see the another set of arrays sorted.  **HashMap:** The HashMap returns an associated number to an element. In this case, I have student name and GPA and by printing the student name, the GPA is displayed.  **HashSet:** Thisextends Abstract Set and implements the Set interface. It creates a collection that uses a hash table for storage. Here I have numbers added.  **Iterator:** Here it pulls item from the LinkedList. In this case I used RGB as a linked list in which the iterator pulls data from the collections.  LinkedList: Here I have names of students added to the list with the exception of one student removed from the list.  And More: | Mine |
| **Queue and Deque:** Here a series of item is arranged in a sequential order and at the same time I have the Deque which allows to add element at the beginning and at the end of the item.  **JavaCollections:** In the repository there are the TreeSetCollection, TreeCollection, SetCollection, MapCollection, HashSet, ListCollection that help detail more about javacollection. |  |