- 1. What are the differences between Lists, Sets, and Maps in Java?
 - a. Lists are like an array but the length does not have to be predefined
 - i. It is different from Sets in that it allows duplicates and it maintains the order in which items are entered.
 - b. Sets are like Lists except that duplicates are not allowed. And order of entry is not maintained.
 - c. Maps are key value pairs
 - i. Values can be duplicates however the keys must be unique

I learned this from the videos for this week.

- 2. List at least two different implementations for each collection (List, Set, and Map). When would you use one of the implementations over the other?
 - a. List
 - i. ArrayList
 - ii. LinkedList
 - iii. Vector
 - b. Set
 - i. HashSet
 - ii. LinkedHashSet
 - iii. TreeSet
 - c. Map
 - i. HashMap
 - ii. LinkedHashMap
 - iii. TreeMap
 - iv. Hashtable
- 3. Write a line of code that shows how you would instantiate an ArrayList of String.

List<String> wrestlers = new ArrayList<String>();

URL = from the videos

4. Write a line of code that shows how you would instantiate a HashSet of StringBuilder.

5. Write a line of code that shows how you would instantiate a HashMap of String, String.

HashMap<String, String> stateCapitals = new HashMap<String, String>();

https://www.w3schools.com/java/java_hashmap.asp

6. What is your favorite thing you learned this week?

I struggled during the week ¾ assignments because I needed to know the length of the Array ahead of time. I liked that I can now use a list.