**Lesson 3 Question 6**

**The following In-Class Activity was completed and is visible in GitHub.**

**Statics**

1. Create a “Person” class with 3 instance properties: firstName (a String), lastName (a String) and age (an int). In addition to a default constructor, how may additional, overloaded constructors can you think of to create? Create them.
2. Class properties (declared static) are shared by all object instances created from that class. Can you think of a Person property that should be shared? Add that to your Person class. Then write a method that retrieves that data. How should this method be written?
3. From a separate “Startup” class, create several Person objects and store them in an array. Now write a for-loop to iterate over that array and output the full name and age of each of the Person objects stored in that array. Using the Person Class, create a Weighable Interface.
4. The Interface should define the following methods:

* addWeight(double pounds)
* loseWeight(double pounds)

 Modify the Person Class to implement the Class.

**Session 3 =Question 7**

**The following In-Class Activity was completed and is visible in GitHub.**  
**Collections**

1. Download “Collection Work” from Blackboard and open in IntelliJ.
2. List the top most used words and how many times they were used.List the number of words that are only used once.