Select at least **two** of the following topics on Java methods for your initial post. Provide a code example where necessary to elaborate your thoughts.

* Creating a Class vs. Creating an Object
* Multiple Objects Instances
* Working with Multiple Classes
* Accessing and Modifying Attributes
* Java Library Classes
* Class Methods

In Java, we have the option to create a class and create an object. Creating a class and creating an object go hand in hand with each other. The way to create a class is to include the keyword “Main.” The class established earlier is used to create an object with a specified object name and the word new. An object has assigned attributes, while the class is more of a structure. A class should be declared before an object or object. When creating multiple classes within a file, only one of them can be a public class (Liang, 2019). It must also have the name of the file (Liang, 2019).

Class methods are also utilized in Java. According to Liang (2019), a class “defines the properties of objects and provides constructors for creating objects and methods for manipulating them.” It also serves as a reference for object variables. A method is declared in a class and then operates as coded. Class methods can be modified to fit the desired accessibility level for users. Having options allows for different levels of security, so it is important to be mindful of which visibility modifier to use. When writing out methods, two possibilities are static or public. If a static method is utilized, then a class object is not needed but is when it is public. When it is public, an instance of a class is needed to call the method. Creating class methods can be helpful since you can use multiple classes.

**Reference**

Liang, Y. D. (2019). *Introduction to Java programming and data structures: comprehensive version*. Pearson. https://plus.pearson.com/home?utm\_source=ereader

**Assignment Requirements and Grading:**

* An initial post of approximately 250 words is due by **Thursday, 11:59 p.m., CST**.
* Submit your post by clicking on the assignment link above, then Create Thread. You must create a thread in order to view your peers' posts. Tip: Create your post in a Word document and then copy and paste your work into the thread.
* A minimum of three (3) responses, to the original threads of other students, of 100-200 words each are due by **Sunday, 11:59 p.m., CST**.
* To view the rubric grading criteria, click on the following link: [Discussion Board Grading Rubric](https://content.bellevue.edu/cst/csd/rubricdbv3.pdf).