Unit 4 Assessment will cover everything up to this point, but the main focus on unit 4 topics: Custom classes, object, static members, constructors.
No Encapsulation or Inheritance on this assessment. They will be on the next one.

Time Control: 1 hour and 20 minutes (80 minutes) | Once you begin, the time remaining will be shown on the right side under the questions
Questions: 25
Date/ Time: Friday, June 18th, 2021 | 5 am – 11:59 pm EST

To find the assessment (Will only be available on Friday 18th):
Go to Canvas → Java programming course → Quizzes → Unit 4 Assessment

Note: Assume all classes used are imported.

No code will fail to compile because of missing import or main method. Focus only on the given code snippet. Assume everything else not shown is valid.

[4.1] Custom Classes

- What is a class and what is an object?
- How are objects of a class created?
- Instance variables vs local variables
- Instance variables in relation with objects
- Creating objects and accessing their fields
- How can we print object to show the information of the object, not the hashcode?
- Java file name in relation to the public class in the file
- How is *this* used

[4.2] Static members

- What are the static members?
- What are the properties of something that is static?
- Class objects vs static fields
- Static block and execution flow
- Static method signature

- Static objects in other classes

[4.3] Constructors

- What is the purpose of the constructor in a class?
- Constructor's relation with *new*
- The rules of creating constructors
- What is the default constructor and what happens if you create a constructor manually?
- Constructor overloading
- Constructor vs method