In-Class Activity #2

Name #1: _____   Section Leader: _____

Name #2: _____   Section Leader: _____

Name #3: _____   Section Leader: _____

Directions: In groups of two or three, answer the following questions to the best of your collective ability. When appropriate, we encourage you to show your work, to help us understand your thought process. ICAs (In-Class Activities) count toward your grade; please take them seriously.   Week 4 (2015/09/16)

1. Text vs. Binary Files.

   (a) What is one advantage of using a text file instead of a binary file to store information?

   (b) What is one advantage of using a binary file instead of a text file to store information?

2. Why is it important for there to be a `catch()` block for each type of exception thrown by code in the `try` block?

3. We learned Monday that we can use a `PrintWriter` object by itself to write to a text file. We also learned that we can create a `PrintWriter` object on top of a `BufferedWriter` object. What is the advantage of creating this additional object?

4. `PrintWriter` instance methods don't throw checked exceptions, meaning that try/catch blocks are not needed when they are called. Even so, many programmers avoid using `PrintWriter`, instead using classes whose methods do throw exceptions. Suggest a reason why programmers would prefer to use a class whose methods throw exceptions, rather than an equivalent class whose methods do not throw exceptions.

When your group is satisfied with your answers, or time is up, hand this to one of the class staff. We'll review the correct answers after time is up.