

Critical Thinking Question

1. Can data in memory be called a file? Explain

No, because files are stored on disks and not in memory.

2. Write the “import” statement required to access the File Class in an application.

```
import java.io.File;
```

3. Identify the error in the following statement:

```
File textFile = new File("c:\inventory.txt");
```

Error: **c:\\inventory.txt**

4.

A) Which statement is used to write an exception handler?

try-statement = try-catch statement

B) Write an exception handler to handle an IOException if a specified file name cannot be used to create a file. The exception handler should display appropriate messages to the user.

```
java:Main.java
try {
    // File creation code
} catch (IOException e) {
    System.out.println("Error creating file: " + e.getMessage());
}
```

5.

A) What is the name of the stream for displaying error messages?

System.err

B) Where are the messages displayed?

Console(which is usually in red)

7. What two classes are used together to write data to a file?

FileWriter as well as BufferedWriter

Credit Name: File Structure

Assignment: CRT

8. Write a statement to convert account balances that have been read from a text file to a double value and add them to totalBalance.

```
totalBalance += Double.parseDouble(balanceString);
```