

Chapter 11 CRT

1. Data memory is temporary, while files are permanent storage on devices like hard drives, and are lost when the system powers off.
2. `import java.io.File;`
3. the string will treat `\i` like an escape sequence, and cannot properly access the file. It should be `"./inventory.txt"`.
4.
 - a. try-catch statements
 - b. `txtFile = new File("CON");`
`try {`
`txtFile.createNewFile();`
`System.out.println("File created successfully.");`
`} catch (IOException e) {`
`System.out.println("File could not be created");`
`}`
5.
 - a) `System.err` (err stream)
 - b) The console
6.
 - a. File position
 - b. The end of Windows, Unix, and Macintosh lines depends on the system, with lines ending with a carriage return and line feed.
7.
`FileWriter, BufferedWriter`
8.
`totalBalance += Double.parseDouble(txtVal);`
9.
Serialization converts data into a stream-acceptable format, while deserialization converts it back to usable information.
10. `BufferedWriter`