1. No, data in memory is temporary and only available when the computer is on and running, whereas data in a file is persistent, meaning that it is on a hard disk or CD and does not rely on the computer being on. Data on memory is reset, whereas data on a persistent medium does not get reset until intentionally removed by the user.
2. import java.io.File;
3. The number of slashes following the C drive needs to be two rather than one.
4. a) The statement used to write an exception handler is catch(IOException e)
   b) catch(IOException e)

```
                        {
                          System.out.println("Problem reading file");

                System.err.println("File name cannot be used" + e.getMessage());
                        }
```
5. a) The name of the stream used to display error messages is the err stream.
   b) The console.