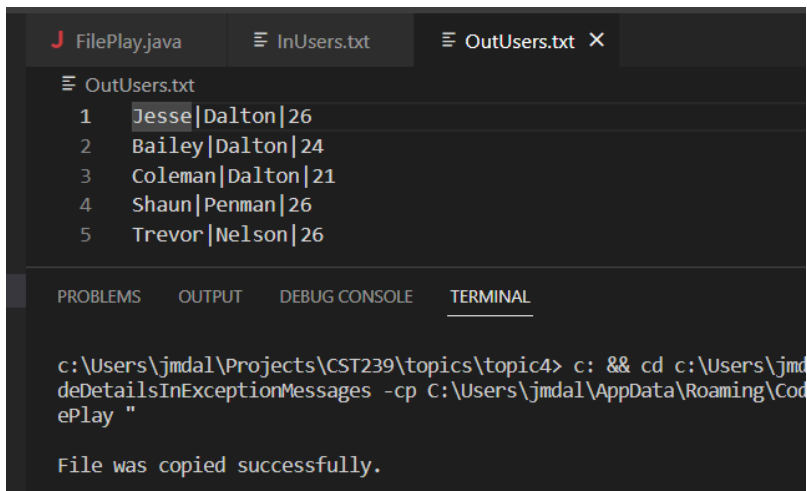


Activity 4

Jesse Dalton
February 19, 2023

PART 1A: File Reader

Correct Output:



The screenshot shows an IDE with three tabs: FilePlay.java, InUsers.txt, and OutUsers.txt. The OutUsers.txt tab is active, displaying a list of five names and ages: Jesse|Dalton|26, Bailey|Dalton|24, Coleman|Dalton|21, Shaun|Penman|26, and Trevor|Nelson|26. Below the code editor, the TERMINAL tab is selected, showing a command prompt session. The command executed is 'c: && cd c:\Users\jmdal\Projects\CST239\topics\topic4> c: && cd c:\Users\jmdal\Projects\CST239\topics\topic4 && java -cp C:\Users\jmdal\AppData\Roaming\Code\jdk-11.0.2\bin\java.exe FilePlay "InUsers.txt"', and the output is 'File was copied successfully.'

```
J FilePlay.java  InUsers.txt  OutUsers.txt X
OutUsers.txt
1 Jesse|Dalton|26
2 Bailey|Dalton|24
3 Coleman|Dalton|21
4 Shaun|Penman|26
5 Trevor|Nelson|26

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

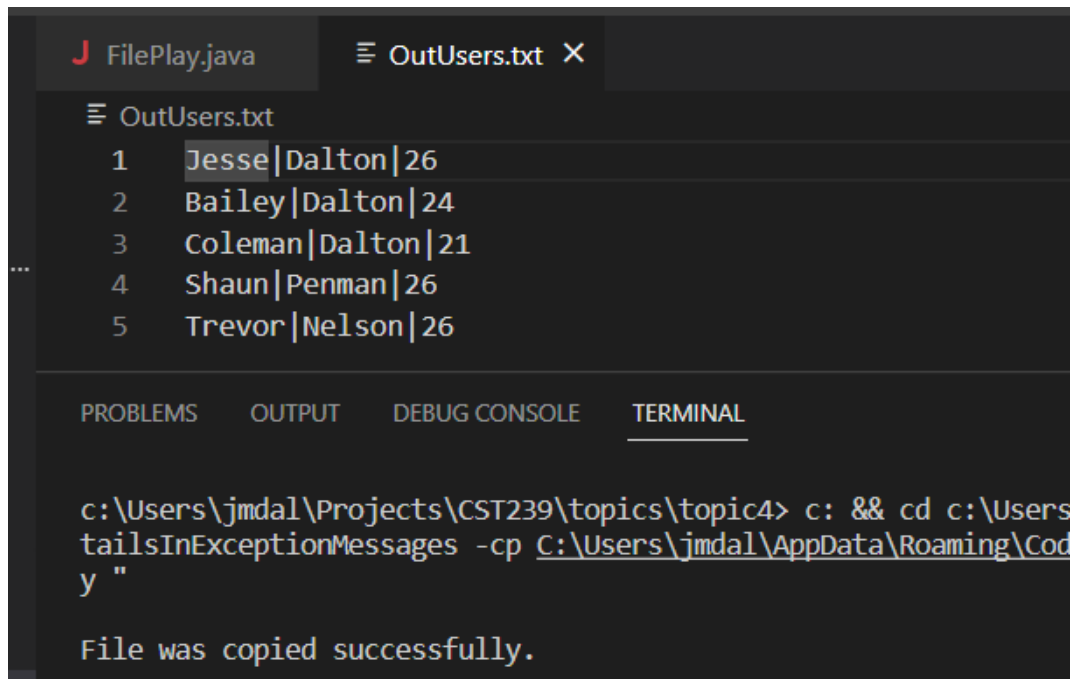
c:\Users\jmdal\Projects\CST239\topics\topic4> c: && cd c:\Users\jmdal\Projects\CST239\topics\topic4 && java -cp C:\Users\jmdal\AppData\Roaming\Code\jdk-11.0.2\bin\java.exe FilePlay "InUsers.txt"
File was copied successfully.
```

Exception Output:

```
java.io.FileNotFoundException: InUsers.tx (The system cannot find the file specified)
    at java.base/java.io.FileInputStream.open0(Native Method)
    at java.base/java.io.FileInputStream.open(FileInputStream.java:216)
    at java.base/java.io.FileInputStream.<init>(FileInputStream.java:157)
    at java.base/java.io.FileInputStream.<init>(FileInputStream.java:111)
    at java.base/java.io.FileReader.<init>(FileReader.java:60)
    at app.FilePlay.copyFile(FilePlay.java:29)
    at app.FilePlay.main(FilePlay.java:12)
File could not be opened.
```

PART 1B: Buffered Reader

Correct Output:



The screenshot shows an IDE with two tabs: 'FilePlay.java' and 'OutUsers.txt'. The 'OutUsers.txt' tab is active, displaying a list of five lines of text, each representing a user's name, last name, and age separated by vertical bars. The first line is 'Jesse|Dalton|26'. Below the list, there are tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL'. The 'TERMINAL' tab is selected, showing a command prompt window with a command to copy a file and a confirmation message.

```
FilePlay.java OutUsers.txt X
```

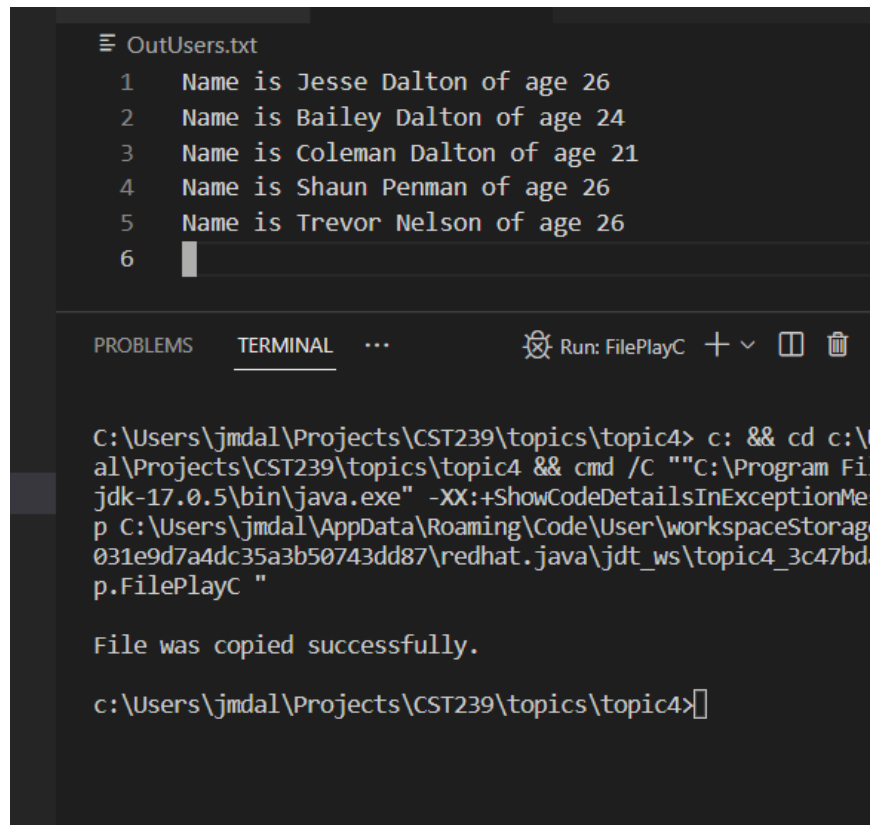
```
OutUsers.txt
1 Jesse|Dalton|26
2 Bailey|Dalton|24
3 Coleman|Dalton|21
4 Shaun|Penman|26
5 Trevor|Nelson|26
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
```

```
c:\Users\jmdal\Projects\CST239\topics\topic4> c: && cd c:\Users\jmdal\AppData\Roaming\Code
tailsInExceptionMessages -cp C:\Users\jmdal\AppData\Roaming\Code
y "
File was copied successfully.
```

PART 1C: Buffered Reader using lines and format

Correct Output:



The screenshot shows an IDE with two panels. The top panel displays a text file named 'OutUsers.txt' with the following content:

```
1 Name is Jesse Dalton of age 26
2 Name is Bailey Dalton of age 24
3 Name is Coleman Dalton of age 21
4 Name is Shaun Penman of age 26
5 Name is Trevor Nelson of age 26
6
```

The bottom panel is a terminal window titled 'Run: FilePlayC'. It shows the following command and output:

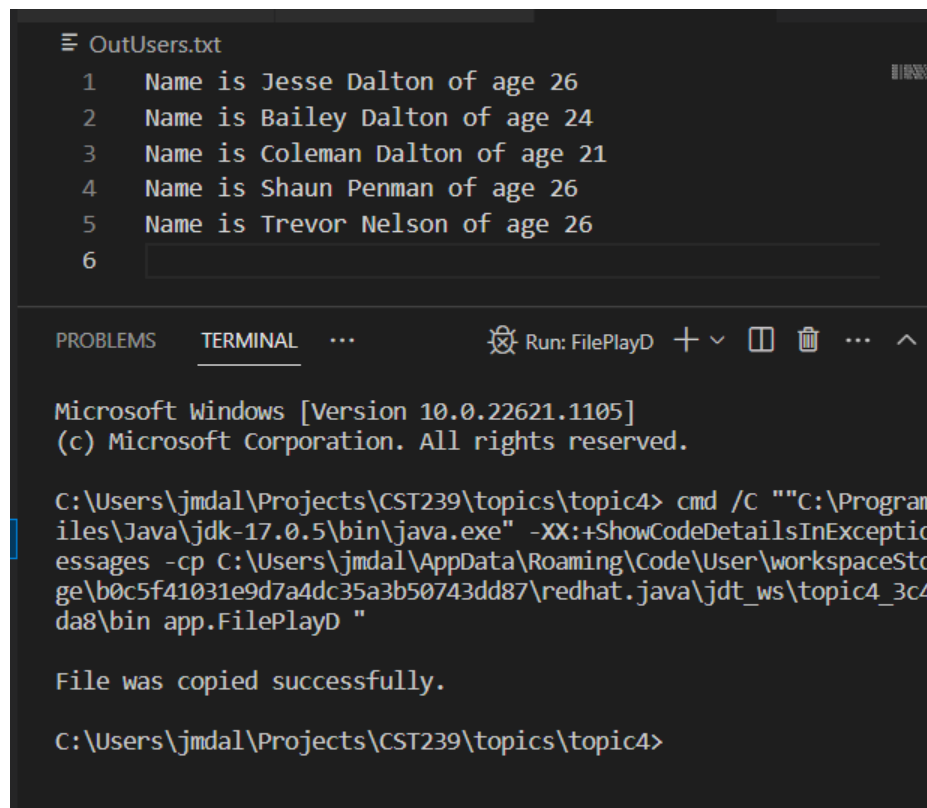
```
C:\Users\jmdal\Projects\CST239\topics\topic4> c: && cd c:\al\Projects\CST239\topics\topic4 && cmd /C ""C:\Program Files\Java\jdk-17.0.5\bin\java.exe" -XX:+ShowCodeDetailsInExceptionMessages C:\Users\jmdal\AppData\Roaming\Code\User\workspaceStorage\031e9d7a4dc35a3b50743dd87\redhat.java\jdt_ws\topic4_3c47bd\p.FilePlayC "
```

File was copied successfully.

```
c:\Users\jmdal\Projects\CST239\topics\topic4>
```

PART 1D: Exception Thrown

Correct Output:



The screenshot shows an IDE interface. At the top, a file named 'OutUsers.txt' is open, displaying a list of names and ages. Below the file, the 'TERMINAL' tab is active, showing the output of a Java application. The terminal text includes the Windows version, copyright notice, the command used to run the application, and a success message.

```
OutUsers.txt
1 Name is Jesse Dalton of age 26
2 Name is Bailey Dalton of age 24
3 Name is Coleman Dalton of age 21
4 Name is Shaun Penman of age 26
5 Name is Trevor Nelson of age 26
6

PROBLEMS  TERMINAL  ...  Run: FilePlayD + - [ ] [ ] ... ^

Microsoft Windows [Version 10.0.22621.1105]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jmdal\Projects\CST239\topics\topic4> cmd /C ""C:\Program
iles\Java\jdk-17.0.5\bin\java.exe" -XX:+ShowCodeDetailsInExceptio
essages -cp C:\Users\jmdal\AppData\Roaming\Code\User\workspaceSto
ge\b0c5f41031e9d7a4dc35a3b50743dd87\redhat.java\jdt_ws\topic4_3c4
da8\bin app.FilePlayD "

File was copied successfully.

C:\Users\jmdal\Projects\CST239\topics\topic4>
```

PART 2: JSON

Output:

```
{ outjson > ...
1 [{"year":2010,"make":"Ford","model":"Mustang","odometer":0,"engineLiters":1.5}]
2 [{"year":2011,"make":"Chevy","model":"Silverado","odometer":1000,"engineLiters":1.5}]
3 [{"year":2012,"make":"Toyota","model":"Carolla","odometer":2000,"engineLiters":1.5}]
4 [{"year":2013,"make":"GMC","model":"2500","odometer":3000,"engineLiters":1.5}]
5 [{"year":2014,"make":"Honda","model":"Civic","odometer":4000,"engineLiters":1.5}]
6

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL

Microsoft Windows [Version 10.0.22621.1265]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jmdal\Projects\CST239\topics\topic4\topic42> cmd /C ""C:\Program Files\Java\jdk-17.0.5\bin\java.exe
.argfile com.example.DemoJsonFiles "
2010, Ford, Mustang, 0, 1.5
2011, Chevy, Silverado, 1000, 1.5
2012, Toyota, Carolla, 2000, 1.5
2013, GMC, 2500, 3000, 1.5
2014, Honda, Civic, 4000, 1.5

C:\Users\jmdal\Projects\CST239\topics\topic4\topic42>
```