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CST-239

Prof. Couch

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Activity 4: File I/O and Exception Handling

Part 1:

1a:

```
File was copied successfully.
|
```

```
FilePlay.java  InUsers  InFile  OutFile x  InFile
1 Phillip|Ball|20
2 John|Paul|48
3 Austin|Freight|76
4 Jake|Hemsworth|36
5 Ben|Tannard|19
```

```
Exception in thread "main" java.io.FileNotFoundException: InUse (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:14)
```

1b:

```
FilePlay.java  OutFile x  InUsers  InFile
1 Phillip|Ball|20
2 John|Paul|48
3 Austin|Freight|76
4 Jake|Hemsworth|36
5 Ben|Tannard|19
```

```
<terminated> FilePlay (1) [Java Application]
File was copied successfully.
```

1c:

```
<terminated> FilePlay (2) [Java Application]
File was copied successfully.
```

```
FilePlay.java OutFile X InUsers InFile
1 Name is Phillip Ball of age 20
2 Name is John Paul of age 48
3 Name is Austin Freight of age 76
4 Name is Jake Hemsworth of age 36
5 Name is Ben Tannard of age 19
6
```

1d:

```
FilePlay.java InUsers OutFile X
1 Name is Phillip Ball of age 20
2 Name is John Paul of age 48
3 Name is Austin Freight of age 76
4 Name is Jake Hemsworth of age 36
5 Name is Ben Tannard of age 19
6
```

```
<terminated> FilePlay (3) [Java Application]
File was successfully copied.
```

Part 2:

```
36 * + Integer.toString(car.getHorsepower()) +
37 * + Double.toString(car.getEngineLiters());
38 System.out.println(text);
39
40 }
41
42
43 private static void SaveToFile(String fileName, Car car, boolean append)
44 {
45     PrintWriter pwWriter;
46     try
47     {
48         File file = new File(fileName);
49         FileWriter fwWriter = new FileWriter(file, append);
50         pwWriter = new PrintWriter(fwWriter);
51
52         ObjectMapper objectMapper = new ObjectMapper();
53         String json = objectMapper.writeValueAsString(car);
54         pwWriter.println(json);
55         pwWriter.close();
56     }
57     catch (IOException e)
58     {
59         e.printStackTrace();
60     }
61 }
62
63
64 private static ArrayList<Car> ReadFromFile(String fileName)
65 {
66     ArrayList<Car> cars = new ArrayList<Car>();
67
68 }
```

So, I had a pretty weird problem with part 2, the ObjectMapper function was not working for some reason even after importing the .jar core, databind, and annotations. These were the errors that came up and the highlighted section on the left is the part of error from the stack trace. I could not figure out why this was happening, I redownloaded and reimported the .jar libraries 3 different times with no difference, following the instructions each time. Although this was happening, I do understand what is going on here, where in this section of code we are just taking the Car object and converting it to string, then applying it to a file. I just could not understand why the imports were not working.