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Additional information:

1. Demo youtube video link: <https://youtu.be/8Z2HDRFnVqM?si=JC40nzBL5vMbaMgP>
2. AI was used in adding and structured the JSON files for both projects and in Junit testing:

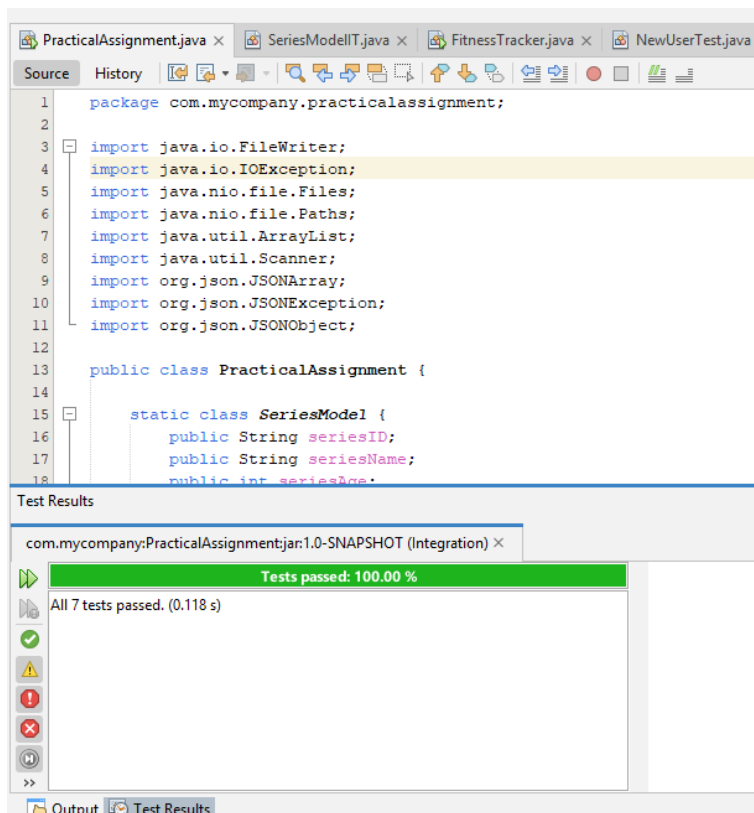
<https://chat.deepseek.com/a/chat/s/4353343c-beaa-4590-ab89-6a3c328e82db>

Section A:

Project name: PracticalAssignment

We were required to create an application that allows a user to enter details about a series and for them to be stored.

Junit test:



The screenshot displays an IDE with two main panels. The top panel shows the source code for `PracticalAssignment.java`. The code defines a package `com.mycompany.practicalassignment` and imports various Java and JSON-related classes. It then defines a public class `PracticalAssignment` which contains a static inner class `SeriesModel`. The `SeriesModel` class has three attributes: `seriesID` (String), `seriesName` (String), and `seriesAge` (int).

```
1 package com.mycompany.practicalassignment;
2
3 import java.io.FileWriter;
4 import java.io.IOException;
5 import java.nio.file.Files;
6 import java.nio.file.Paths;
7 import java.util.ArrayList;
8 import java.util.Scanner;
9 import org.json.JSONArray;
10 import org.json.JSONException;
11 import org.json.JSONObject;
12
13 public class PracticalAssignment {
14
15     static class SeriesModel {
16         public String seriesID;
17         public String seriesName;
18         public int seriesAge;
```

The bottom panel shows the JUnit test results for the project. A green bar at the top indicates "Tests passed: 100.00 %". Below this, it states "All 7 tests passed. (0.118 s)". The panel also includes a sidebar with icons for running tests and viewing results.

Section B:

Project name: FitnessTracker

I decide to make a fitness tracker application where a user can enter their information and their workout goals. The user can update their weight and view their workout history as the date is manually logged in as well.

JUnit test:

```
package com.mycompany.fitnesstracker;

import java.io.FileWriter;
import java.io.IOException;
import java.nio.file.Files;
import java.nio.file.Paths;
import java.util.ArrayList;
import java.util.Scanner;
import org.json.JSONArray;
import org.json.JSONException;
```

Results

n.mycompany:FitnessTracker:jar:1.0-SNAPSHOT (Unit) ×

Tests passed: 100.00 %

All 8 tests passed. (0.097 s)

Output Test Results