Guideline: How to Run Tests (src/test/java)

1. Prerequisites

- **Installed JDK 17 (or JDK 11).**

- **Codebase structured as:**

- **project/**

- **└ src/**

    └ test/java/...

1. IntelliJ IDEA

Step 1: Download & Install JDK 17

- Download **OpenJDK 17** https://www.oracle.com/java/technologies/javase/jdk17-archive-downloads.html

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Step 2: Configure JDK in IntelliJ

1. Open **IntelliJ IDEA**.

2. Go to **File → Project Structure** (Ctrl+Alt+Shift+S on Windows/Linux, Cmd+; on macOS).

3. In the left menu, select **Platform Settings → SDKs**.

4. Click the **+** button → choose **JDK**.

5. Navigate to the folder where you installed **JDK 17** → click **OK**.

6. IntelliJ will index it and show "17" as the version.

Step 3: Set JDK for the Project

1. Still in **Project Structure**, go to **Project Settings → Project**.

2. Under **Project SDK**, select **17 (jdk-17)**.

3. Under **Project language level**, select **SDK default (17 - Pattern matching for switch, etc.)**.

4. Apply and close.

Step 4: Verify

- Right-click your test class → **Run**.

- In the run logs, you should see:

- java version "17.x"

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2. Eclipse

Step 1: Download & Install JDK 17

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Step 2: Configure JDK in Eclipse

1. Open **Eclipse**.

2. Go to **Window → Preferences**.

3. Navigate to **Java → Installed JREs**.

4. Click **Add… → Standard VM → Next**.

5. Browse to your **JDK 17** installation directory.

6. Give it a name (e.g., jdk-17) → **Finish**.

7. Check the box next to jdk-17 to make it the default JRE.

Step 3: Set JDK for the Project

1. Right-click your project → **Properties**.

2. Select **Java Build Path** → Tab **Libraries**.

3. Click **Add Library… → JRE System Library → Alternate JRE**.

4. Pick the jdk-17 you just added.

5. Apply and close.