| **Exercise 1: Parameterized Tests****Scenario:** You want to test if a number is even using multiple inputs without writing multiple test methods.  **Output:**   **Exercise 2: Test Suites and Categories** **Scenario:** You want to group related tests and run them all at once using a Test Suite.  **Output:**    **Exercise 3: Test Execution Order**  **Scenario:** You want to control the order in which tests are executed.  Steps: 1. Create a test class `OrderedTests`.  2. Use JUnit's `@TestMethodOrder` and `@Order` annotations.  **Output:**    **Exercise 4: Exception Testing**  **Scenario:**  You want to test that a method throws the expected exception.  Steps: 1. Create a class `ExceptionThrower` with a method `throwException`.  2. Write a test class `ExceptionThrowerTest` that tests the method for the expected exception.  **Output:**   **Exercise 5: Timeout and Performance Testing****Scenario:** You want to ensure a method finishes within a specific time limit — useful for performance-sensitive operations.  **Output:** |
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