| **Exercise 1: Mocking and Stubbing****Scenario:** You're testing a MyService class that depends on an ExternalApi. Instead of calling the real API, you'll mock it and make it return fake data.  **Output:**    **Exercise 2: Verifying Interactions**  **Scenario:**  You need to ensure that a method is called with specific arguments.  Steps: 1. Create a mock object.  2. Call the method with specific arguments.  3. Verify the interaction.  **Output:**   **Exercise 3: Argument Matching****Scenario:** You want to verify that a method was called with specific arguments, or you want to allow flexible matching using Mockito's matchers.  **Output:**   **Exercise 4: Handling Void Methods****Scenario:** You want to mock a void method — for example, logging or saving something — and then verify that it was called.  **Output:**   **Exercise 5: Mocking and Stubbing with Multiple Returns****Scenario:** You want to test a method that returns different values on consecutive calls.  **Output:**   **Exercise 6: Verifying Interaction Order** **Scenario:** You want to ensure that multiple method calls happen in the correct sequence.  Mockito provides InOrder to verify the order of interactions across one or more mocks.  **Output:**   **Exercise 7: Handling Void Methods with Exceptions** **Scenario:**  You want to test a void method that throws an exception — and make sure the exception is handled (or rethrown) properly.  **Output:** |
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