| **Exercise 1: Mocking Databases and Repositories** **Scenario:**  You have a Service that depends on a Repository (like in a real Spring app).  **Output:**   **Exercise 2: Mocking External Services (REST APIs)** **Scenario:**  You have a ApiService that uses a RestClient to call a REST API.  Instead of calling the real API, you’ll mock the REST client and stub its response.  **Output:**   **Exercise 3: Mocking File I/O** **Scenario:**  You have a FileService that reads from a file and writes output to another.  Instead of real I/O, you’ll mock FileReader and FileWriter.  **Output:**   **Exercise 4: Mocking Network Interactions** **Scenario:**  You have a NetworkService that uses a NetworkClient to connect to a remote server.  You’ll mock the network client and simulate the connection.  **Output:**   **Exercise 5: Multiple Return Values in Sequence** **Scenario:**  Your NetworkClient connects to a server and returns different responses on each call — for example:  "Connecting...", then "Connected".  You’ll use Mockito to stub multiple return values in order.  **Output:** |
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