File1:

package com.example.mocktest;

public interface ExternalApi {

String getStatus();

}

File2:

package com.example.mocktest;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String checkStatus() {

// Simulate checking status multiple times

String first = api.getStatus();

String second = api.getStatus();

String third = api.getStatus();

return third; // Assume we care about the final result

}

}

File3:

package com.example.mocktest;

import static org.mockito.Mockito.\*;

import static org.junit.jupiter.api.Assertions.\*;

import org.junit.jupiter.api.Test;

public class MyServiceTest {

@Test

public void testMultipleReturns() {

// Step 1: Create mock

ExternalApi mockApi = mock(ExternalApi.class);

// Step 2: Stub method with multiple return values

when(mockApi.getStatus())

.thenReturn("Loading")

.thenReturn("Still Loading")

.thenReturn("Complete");

// Step 3: Use mock in service

MyService service = new MyService(mockApi);

String finalStatus = service.checkStatus();

// Step 4: Assert the final returned value

assertEquals("Complete", finalStatus);

// Optional: verify how many times it was called

verify(mockApi, times(3)).getStatus();

}

}

Output:

**A computer screen shot of a program

AI-generated content may be incorrect.**