File1:

package com.example.mocktest;

public interface ExternalApi {

void connect();

void sendData(String data);

void disconnect();

}

File2:

package com.example.mocktest;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public void performTask() {

api.connect();

api.sendData("Important Data");

api.disconnect();

}

}

File3:

package com.example.mocktest;

import static org.mockito.Mockito.\*;

import org.junit.jupiter.api.Test;

import org.mockito.InOrder;

public class MyServiceTest {

@Test

public void testInteractionOrder() {

// Step 1: Create mock

ExternalApi mockApi = mock(ExternalApi.class);

// Step 2: Use the mock in the service

MyService service = new MyService(mockApi);

// Step 3: Call the method

service.performTask();

// Step 4: Verify method call order

InOrder inOrder = inOrder(mockApi);

inOrder.verify(mockApi).connect();

inOrder.verify(mockApi).sendData("Important Data");

inOrder.verify(mockApi).disconnect();

}

}

Output:

