File1:

package com.example.mocktest;

public interface ExternalApi {

void log(String message);

}

File2:

package com.example.mocktest;

public class MyService {

private ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public void start() {

api.log("Start");

}

}

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 testVoidMethodThrowsException() {

// Step 1: Create mock

ExternalApi mockApi = mock(ExternalApi.class);

// Step 2: Stub void method to throw exception

doThrow(new RuntimeException("Log failed")).when(mockApi).log("Start");

// Step 3: Use the mock in the service

MyService service = new MyService(mockApi);

// Step 4: Assert exception is thrown

RuntimeException thrown = assertThrows(RuntimeException.class, () -> {

service.start();

});

assertEquals("Log failed", thrown.getMessage());

// Step 5: Verify interaction

verify(mockApi).log("Start");

}

}

Output:

**A computer screen shot of a program

AI-generated content may be incorrect.**