**Exercise 3: Argument Matching**

**ExternalApi.java**

public interface ExternalApi {

String getData();

void sendMessage(String message);

}

**MyService.java**

public class MyService {

private final ExternalApi api;

public MyService(ExternalApi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

public void sendGreeting() {

api.sendMessage("Hello World");

}

}

**MyServiceTest.java**

import static org.mockito.Mockito.\*;

import static org.mockito.ArgumentMatchers.\*;

import org.junit.jupiter.api.Test;

public class MyServiceTest {

@Test

public void testArgumentMatching() {

ExternalApi mockApi = mock(ExternalApi.class);

MyService service = new MyService(mockApi);

service.sendGreeting();

verify(mockApi).sendMessage(eq("Hello World"));

System.out.println("sendMessage was successfully called with: \"Hello World\"");

}

}



