Exercise 3: Argument Matching with Mockito

**Externalapi.java:**

package com.example.mockito;

public interface Externalapi {

String getData();

String getDetails(String userId);

}

**Myservice.java:**

package com.example.mockito;

public class Myservice {

private Externalapi api;

public Myservice(Externalapi api) {

this.api = api;

}

public String fetchData() {

return api.getData();

}

public String fetchUserDetails(String userId) {

return api.getDetails(userId);

}

}

**Myservicetest.java:**

package com.example.mockito;

import org.junit.jupiter.api.Test;

import static org.junit.jupiter.api.Assertions.assertEquals;

import static org.mockito.Mockito.\*;

public class Myservicetest {

@Test

public void testArgumentMatching() {

Externalapi mockApi = *mock*(Externalapi.class);

*when*(mockApi.getDetails(*anyString*())).thenReturn("User Details");

Myservice service = new Myservice(mockApi);

String result = service.fetchUserDetails("U123");

*assertEquals*("User Details", result);

*verify*(mockApi).getDetails(*eq*("U123"));

}

}