**CODE:**

package com.example;

public interface NetworkClient {

String connect();

}

package com.example;

public class NetworkService {

private NetworkClient networkClient;

public NetworkService(NetworkClient networkClient) {

this.networkClient = networkClient;

}

public String connectToServer() {

return "Connected to " + networkClient.connect();

}

}

package com.example;

import static org.mockito.Mockito.\*;

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

import org.junit.jupiter.api.Test;

public class NetworkServiceTest {

@Test

public void testServiceWithMockNetworkClient() {

// Step 1: Create mock client

NetworkClient mockNetworkClient = mock(NetworkClient.class);

// Step 2: Stub connect() method

when(mockNetworkClient.connect()).thenReturn("Mock Connection");

// Step 3: Inject and call

NetworkService networkService = new NetworkService(mockNetworkClient);

String result = networkService.connectToServer();

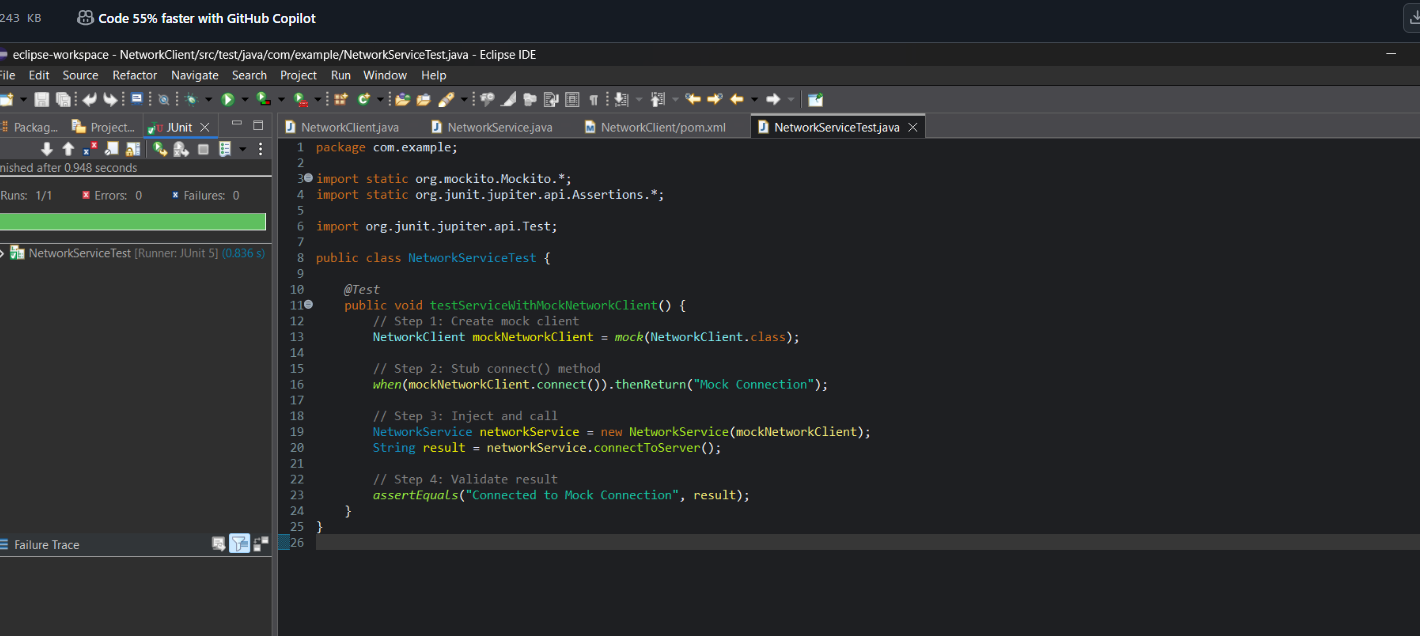
// Step 4: Validate result

assertEquals("Connected to Mock Connection", result);

}

}

**OUTPUT:**

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