**CODE:**

package com.example;

public interface Repository {

String getData();

}

}package com.example;

public class Service {

private Repository repository;

public Service(Repository repository) {

this.repository = repository;

}

public String processData() {

String data = repository.getData();

return "Processed " + data;

}

package com.example;

import static org.mockito.Mockito.\*;

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

import org.junit.jupiter.api.Test;

public class ServiceTest {

@Test

public void testServiceWithMockRepository() {

// Step 1: Create mock repository

Repository mockRepository = mock(Repository.class);

// Step 2: Stub getData() to return mock data

when(mockRepository.getData()).thenReturn("Mock Data");

// Step 3: Inject mock and call processData()

Service service = new Service(mockRepository);

String result = service.processData();

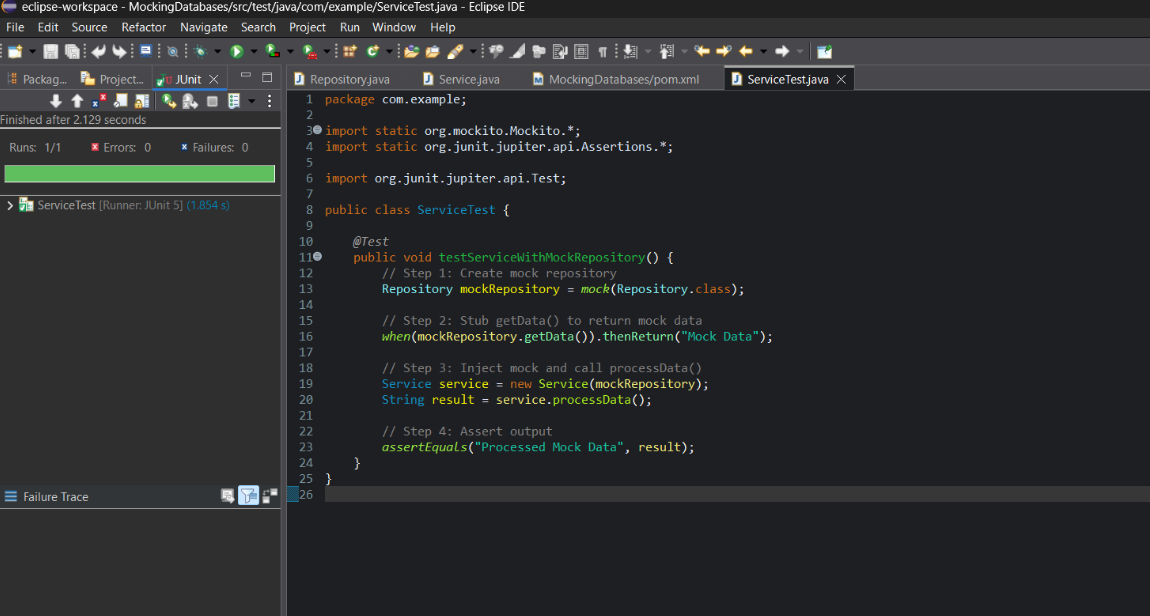
// Step 4: Assert output

assertEquals("Processed Mock Data", result);

}

}

**OUTPUT:**

****