**Exercise 4: Handling Void Methods**

1. Logger.java

package com.exercise4;

public interface Logger {

void log(String message);

}

1. LogService.java

package com.exercise4;

public class LogService {

private Logger logger;

public LogService(Logger logger) {

this.logger = logger;

}

public void doSomething() {

logger.log("Action performed");

}

}

1. LogServiceTest.java

package com.exercise4;

import org.junit.jupiter.api.Test;

import static org.mockito.Mockito.\*;

public class LogServiceTest {

*@Test*

public void testVoidMethodInteraction() {

Logger mockLogger = *mock*(Logger.class);

*doNothing*().when(mockLogger).log("Action performed");

LogService service = new LogService(mockLogger);

service.doSomething();

*verify*(mockLogger).log("Action performed");

}

}

Output:

