**Exercise 1: Logging Error Messages and Warning Levels**

**Step1:**

Created a maven project

Step2:

Added required dependencies to pom.xml file  
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.Mockito</groupId>

<artifactId>SlfJ4-Framework</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>SlfJ4-Framework</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<!-- Logback Classic (actual logging backend) -->

<dependency>

<groupId>ch.qos.logback</groupId>

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

</project>

Step3:

Created a LoggingExample.java class

**package com.Mockito.SlfJ4\_Framework;**

**import org.slf4j.LoggerFactory;**

**import org.slf4j.Logger;**

**public class LoggingExample {**

**private static final Logger *logger*=LoggerFactory.*getLogger*(LoggingExample.class);**

**public static void main(String args[]) {**

***logger*.info("Application started");**

***logger*.error("this is an error message");**

***logger*.warn("this is warning message");**

***logger*.info("application finished");**

**}**

**}**

Step4:

Below is the required output

