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

* **LoggingExample.java**

**package org.example;**

**import org.slf4j.Logger;**

**import org.slf4j.LoggerFactory;**

**public class LoggingExample {**

**// Initialize logger in a slightly different way (with method extraction)**

**private static final Logger logger = createLogger();**

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

**logMessages();**

**}**

**private static void logMessages() {**

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

**logger.warn("This is a warning message");**

**}**

**private static Logger createLogger() {**

**return LoggerFactory.getLogger(LoggingExample.class);**

**}**

**}**

* **Output**

