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

1. LoggingExample.java

package com.exercise1;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingExample {

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

public static void main(String[] args) {

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

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

}

}

1. logback.xml

<configuration>

<appender name="CONSOLE" class="ch.qos.logback.core.ConsoleAppender">

<encoder>

<pattern>%d{HH:mm:ss} [%thread] %-5level %logger{36} - %msg%n</pattern>

</encoder>

</appender>

<root level="warn">

<appender-ref ref="CONSOLE" />

</root>

</configuration>

Output:

