**Cognizant Digital Nurture 4.0**

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**Mandatory Hands-On Exercises**

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

**Task: Write a Java application that demonstrates logging error messages and warning levels using SLF4J.**

**Solution:**

LoggingExample.java:

package com.example;

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");

}

}

* In this process, we added SLF4J and Logback dependencies to a Maven project to enable logging functionality.
* Then, I created a simple Java class that uses SLF4J to log an error and a warning message.
* This demonstrates how to implement basic logging in a Java application using industry-standard libraries.

**Output:**

