**WEEK – 2 : SLF4J LOGGING FRAMEWORK**

**EXERCISE 1: CONTROL STRUCTURES**

**STEP 1: ADD MAVEN DEPENDENCIES**

<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 https://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>logging-demo</artifactId>

<version>0.0.1-SNAPSHOT</version>

<!-- 👇 Add this section -->

<dependencies>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.7.30</version>

</dependency>

<!-- Logback (SLF4J implementation) -->

<dependency>

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

<artifactId>logback-classic</artifactId>

<version>1.2.3</version>

</dependency>

</dependencies>

</project>

**STEP 3: WRITE THE LOGGING CODE**

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");

***logger***.info("This is an INFO message");

***logger***.debug("This is a DEBUG message");

}

}

# OUTPUT

# 