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

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

**CODE:**

**LoggingProgram.java:**

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class LoggingProgram {

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

public static void main(String[] args) {

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

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

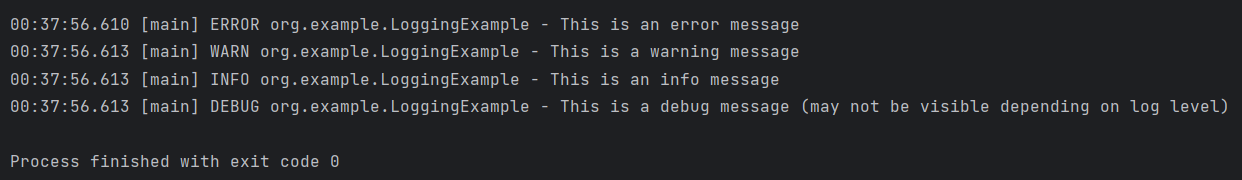
logger.info("This is an info message");

logger.debug("This is a debug message (may not be visible depending on log level)");

}

}

**OUTPUT:**

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