SL4J Logging exercises

# Exercise 1: Logging Error Messages and Warning Levels

<dependency>  
 <groupId>org.slf4j</groupId>  
 <artifactId>slf4j-api</artifactId>  
 <version>2.0.9</version>  
</dependency>  
<dependency>  
 <groupId>ch.qos.logback</groupId>  
 <artifactId>logback-classic</artifactId>  
 <version>1.4.11</version>  
</dependency>  
  
  
**Java Logging Code:**  
  
import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
public class LoggerExample {  
 private static final Logger logger = LoggerFactory.getLogger(LoggerExample.class);  
  
 public static void main(String[] args) {  
 logger.info("This is an INFO log");  
 logger.warn("This is a WARNING log");  
 logger.error("This is an ERROR log");  
 try {  
 int result = 10 / 0;  
 } catch (ArithmeticException e) {  
 logger.error("Exception caught: ", e);  
 }  
 }  
}  
  
**Output:**  
INFO LoggerExample - This is an INFO log  
WARN LoggerExample - This is a WARNING log  
ERROR LoggerExample - This is an ERROR log

ERROR LoggerExample - Exception caught: java.lang.ArithmeticException: / by zero