Exercise 1: Logging Error Messages and Warning Levels

Logging.java

import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
  
public class Logging {  
 private static final Logger *logger* = LoggerFactory.*getLogger*(Logging.class);  
  
 public static void main(String[] args) {  
 *logger*.error("This is an ERROR message");  
 *logger*.warn("This is a WARN message");  
 *logger*.info("This is an INFO message");  
 *logger*.debug("This is a DEBUG message");  
  
 try {  
 int x = 10 / 0;  
 } catch (ArithmeticException e) {  
 *logger*.error("An exception occurred: ", e);  
 }  
 }  
}

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="debug">  
 <appender-ref ref="CONSOLE" />  
 </root>  
</configuration>

Output:

