<dependencies>

<!-- SLF4J API -->

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>2.0.13</version>

</dependency>

<!-- Logback Classic (backend for SLF4J) -->

<dependency>

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

<artifactId>logback-classic</artifactId>

<version>1.4.14</version>

</dependency>

</dependencies>

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

public class Application {

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

public static void main(String[] args) {

int x = 10;

int y = 0;

logger.warn("This is a warning: the value of y is {}", y);

try {

int result = x / y;

} catch (ArithmeticException e) {

logger.error("An error occurred while dividing {} by {}: {}", x, y, e.toString());

}

}

}

OUTPUT:

WARN Application - This is a warning: the value of y is 0

ERROR Application - An error occurred while dividing 10 by 0: java.lang.ArithmeticException: / by zero