**Question Logging Error Messages and Warning Levels**

**Code:**

import java.util.logging.Logger;

import java.util.logging.Level;

public class LoggingExample {

private static final Logger logger = Logger.getLogger(LoggingExample.class.getName());

public int divide(int a, int b) {

if (b == 0) {

logger.warning("Attempted division by zero.");

return 0;

}

int result = a / b;

logger.info("Division successful: " + result);

return result;

public void performOperation() {

try {

int result = divide(10, 0);

System.out.println("Result: " + result);

} catch (Exception e) {

logger.severe("An error occurred: " + e.getMessage());

}

}

public static void main(String[] args) {

LoggingExample example = new LoggingExample();

example.performOperation();

}

}

**Output:**

