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*.info("Application started.");  
  
 try {  
 int result = *divide*(10, 0);  
 *logger*.info("Result: {}", result);  
 } catch (ArithmeticException e) {  
 *logger*.error("An error occurred while dividing numbers: {}", e.getMessage());  
 }  
  
 String userInput = null;  
 if (userInput == null) {  
 *logger*.warn("User input is null. Default value will be used.");  
 }  
  
 *logger*.debug("This is a debug message (useful for development only)");  
 *logger*.info("Application ended.");  
 }  
  
 public static int divide(int a, int b) {  
 return a / b;  
 }  
}