# SLF4J Logging Exercise 1: Logging Error Messages and Warning Levels

## UserService.java

import org.slf4j.Logger;  
import org.slf4j.LoggerFactory;  
  
public class UserService {  
 private static final Logger logger = LoggerFactory.getLogger(UserService.class);  
  
 public boolean login(String username, String password) {  
 if (username == null || password == null) {  
 logger.error("Login failed: username or password is null");  
 return false;  
 }  
  
 if ("admin".equals(username) && "admin123".equals(password)) {  
 return true;  
 } else {  
 logger.warn("Login attempt failed for user: {}", username);  
 return false;  
 }  
 }  
}

## UserServiceTest.java (Example Calls)

public class UserServiceTest {  
 public static void main(String[] args) {  
 UserService service = new UserService();  
 service.login(null, "admin123"); // Should log ERROR  
 service.login("admin", "wrongpassword"); // Should log WARN  
 service.login("admin", "admin123"); // No logs (success)  
 }  
}

