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Individual Assignment: Static Analysis

(Bad Practice) Login.js: line 42, col 6, Missing semicolon

1. Yes, the method can be called by anyone and will execute this line.
2. Yes, the semicolon is missing
3. Yes, the method will always execute line 42
4. Yes, the semicolon is missing and is obvious.

(Dodgy Code) server.js: line 90, col 32, Functions declared within loops referencing an outer scoped variable may lead to confusing semantics. (database, k)

1. Yes, method requires that the 'data' variable has values in it, otherwise this line will not be reached. A variable called 'keys' needs to have at least one data value in it to cause this error to, possibly, occur. The creation of the variable 'keys' uses data from the 'data' variable; thus 'data' needs to have keys in it.
2. Yes, as it says above both database and k are outer scoped variables and thus could cause issues stated above.
3. Absolutely, this code is executed every time the user loads the main page.
4. Yes

(Bad Practice) Expected an assignment or function call and instead saw an expression. (W030)

1. Yes, anytime getData is run and 'data' variable does not cause the program to crash.
2. Yes, it is plainly missing a symbol
3. Yes
4. Yes

(Dodgy Code) 'user' is already defined. (W004)

1. Yes, anytime Login.js is run.
2. Yes
3. Yes, when loading the login page normally this execution will occur.
4. Yes.