

validate data

- class1 (correctly implements factory)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- class 11 (correctly implements factory, but missing some functions from the "before")
 - Missing `fetchDataFromDatabase();` `formatReport();` `spellCheck();` `encrypt();`
 - pattern implementation quality: 2
 - code readability: 5
 - overall improvement: 3
- class 12 (correctly implements factory)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- class 13 (rightfully recommends no refactroing)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- class 14 (correctly implements factory)
 - missing `writeToDisk(Object item),` `sendToNetwork(Object item)`
 - pattern implementation quality: 2
 - code readability: 5
 - overall improvement: 3
- class 15 (correctly implements factory method)
 - pattern implementation quality: 5

- code readability: 5
- overall improvement: 5
- class 16 (unnecessarily generates factory method)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- class 17 (correctly implements factory)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- class 2 (not sure as it introduces different types of vehicles that were not there)
 - pattern implementation quality: 2
 - code readability: 5
 - overall improvement: 3
- class 3 (same concerns as class 2)
 - pattern implementation quality: 2
 - code readability: 5
 - overall improvement: 3
- class 4 (correctly implements Factory method)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- class 5 (correctly implements factory method)
 - renamed the database class to DatabaseConnection
 - pattern implementation quality: 5
 - code readability: 4
 - overall improvement: 4

- Class 6 (correctly implements Factory Method)
 - Missing `setEncryption(boolean encrypted)`, `setFilters(String[] newFilters)`, `setRetentionDays(int days)`
 - pattern implementation quality: 2
 - code readability: 5
 - overall improvement: 3
- Class 7 (rightfully recommends no refactroing)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5
- Class 9 (correctly implements Factory Pattern)
 - pattern implementation quality: 5
 - code readability: 5
 - overall improvement: 5