Importance of the Clean Code
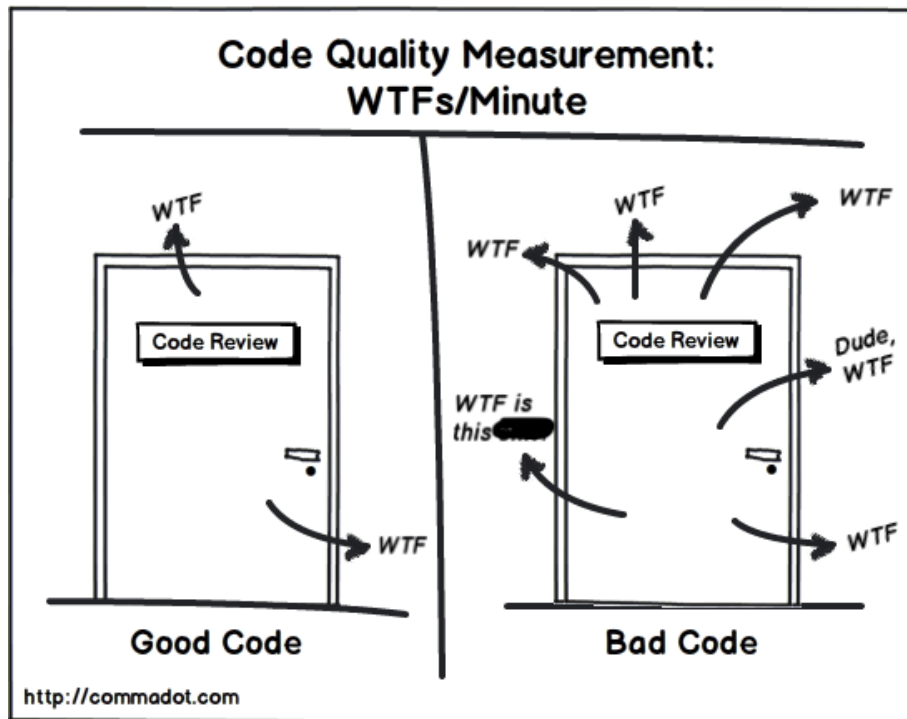

Code Quality Measurement: WTFs/Minute — Good Code vs Bad Code (http://commadot.com)

Assume that you are a software developer in a tech company. And there was a task to fix the bugs from a code that was written by another developer. If that code is not clear to you there will be an issue. So, to fix that kind of issue developers use a method called Clean Code.

Clean code is a reader-focused development style that produces software that's easy to write, read and maintain. Writing clean code is important because it allows you to clearly communicate with the next person who works with what you've written. Being able to return to previously written code and understand what it does is key, especially in the software development world. When using the clean code method there are so many benefits for a software developer. Such as Easy to maintain, Easier to spot bugs, and Easier to understand the code.

 There are mainly three core principles in the clean code method.

1. Choose the right tool for the job
2. Optimize the signal-to-noise ratio
3. Strive to write self-documenting code

When using clean code there are must-follow tips for software developers.

The first one is putting comments in the code. The developer must fully comment on his code. Developers can use both inline comments and multi-line comments in their codes. Adding comments to code can be invaluable. Comments can quickly show what a complex function is doing, or maybe even explain why certain things need to happen in a certain order.

The second one is naming variables, methods, and classes. Developers must choose fully qualified names for their variables, methods, and classes. For example, another person should be able to understand what is your variable storing by its name. The same goes for methods and classes.

The third one can be Indentation. Indentation refers to the spaces at the beginning of a code line. Whereas in other programming languages the indentation in code is for readability only, and in some programming languages indentation is a must. ex: Python. The rule is fairly straightforward: every time developer starts a new block with {must increase the indentation. Every time close a code block with}. And indentation also affects the 80-character limit rule. The 80-character limit makes it easier to read your code without the need for horizontal scrolling.

Clean coding is not a skill that can be acquired overnight. It is a habit that needs to be developed by keeping these principles in mind and applying them whenever writing code.

 The steps outlined above are not concrete rules. The important thing in clean code is to Keep it tidy, clearly sectioned, and consistent. That anyone working with code can understand the code easily is a clean code.