

Importance of Clean Code

The ONLY VALID MEASUREMENT
OF CODE QUALITY: WTFs/MINUTE

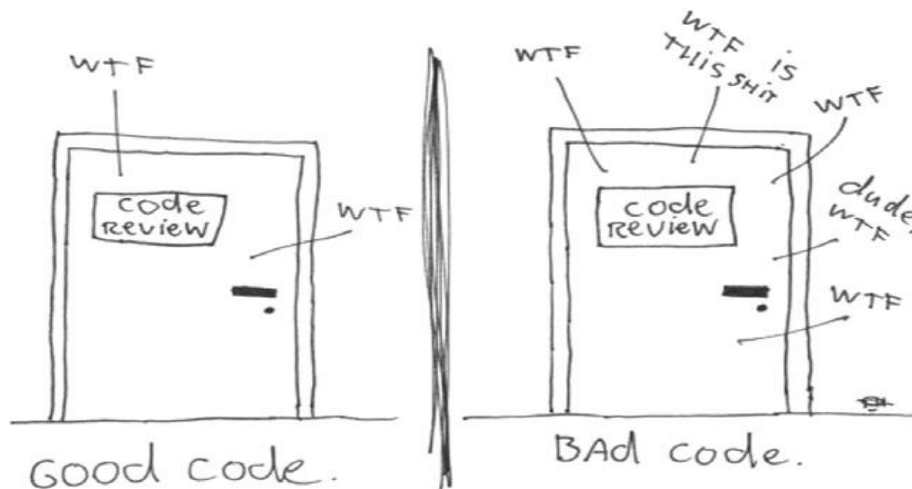


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Learning to create clean code is a difficult task. It takes more than simply understanding of ideas and patterns. You must work hard on it. You must put it into practice and see yourself fail. You must observe others as they attempt and fail. You must witness them stumbling and retracing their steps. You must witness their agony over judgments and the cost they pay for making those decisions incorrectly.



Clean code is a **reader-friendly development approach that results in software that is simple to write, read, and maintain**. When the program performs as planned, you may be tempted to consider your effort finished.

However, we are not simply producing code for machines to consume. Clean code is concentrated — Each **function, class, and module** reveals a single-minded mindset that is completely unaffected by the surrounding details. Clean code is maintained. Someone took the time to make things basic and neat.



Writing clean code is vital because it helps you to communicate effectively with the person who will be working with what you've written. Returning to previously written code and understanding what it accomplishes is critical, especially in the realm of software development.

It has some general ruler like fallows,

1. Follow standard conventions.
2. Keep it simple stupid. Simpler is always better. Reduce complexity as much as possible.
3. Boy scout rule. Leave the campground cleaner than you found it.
4. Always find root cause. Always look for the root cause of a problem.
5. Use descriptive names

<pre>2 3 const n = 'John' 4 const l = 'Doe' 5</pre> 	<pre>2 3 const lastNamePhysician = 'Doe' 4 const firstNamePhysician = 'John' 5</pre> 
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6. Use empty lines to create a readable code

<pre>2 3 const name = 'John' 4 const lastName = 'Doe' 5 function getExchangeRate(amount, costCurrency){ 6 const total = amount * costCurrency 7 return(total) 8 } 9 function getWelcomeText (name, lastName){ 10 const fullName= name + ' ' + lastName 11 const welcomeText= 'Dear ' + fullName + '!' 12 return (welcomeText) 13 } 14 15 16</pre> 	<pre>2 3 const name = 'John' 4 const lastName = 'Doe' 5 6 function getExchangeRate(amount, costCurrency){ 7 const total = amount * costCurrency 8 9 return(total) 10 } 11 12 function getWelcomeText (name, lastName){ 13 const fullName= name + ' ' + lastName 14 const welcomeText= 'Dear ' + fullName + '!' 15 16 return (welcomeText) 17 } 18</pre> 
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Below are 5 key reasons why clean coding matters.

- Easier to maintain
- Easier to spot bugs
- Easier to understand
- Easier for search engines to understand
- Easier to impress

Clean code is not written following a set of rules. You do not become a software professional just by learning a list of what you do and what you've done.