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Importance of Clean Code

Clean code basically means that the code is more readable and that means it is easier to maintain over time (maintainability). All this makes it easier on testing and also will result in less errors. This will not only result in less errors but also will make it easier to edit your code and fix issues better.

Clear code is easy to read and comprehend. It takes significantly less effort to determine out how the various bits of code go together, which makes it much simpler to maintain the code and address issues.

There is a couple of ways to improve on clean coding :

Naming conventions is one way of improving, this means when we are naming the variables in the code, we have to follow a set of rules. It’s better to follow the same format as previous work or the agreed way for example the names could be in camel case.

It was always important to give meaning full variables name and function names, since when someone else checks your code, they will not be able to figure out what you actual meant.

Always keep whitespaces, even if this adds a couple of more lines to the code this will help a lot later on when you try to read the code as it helps in readability. It also helps separate codes

When using curly brackets in the code always stick to one style throughout the code for example if you are starting the curly bracket in the same line or starting the curly bracket in the next line.

Indenting should also be done in the same manner throughout the code, it should be done where necessary. Usually, an indent happens after we go into a loop. This is done to clearly see what’s inside which loops etc.

Using classes and functions in the code can avoid any repetitions which will increase the number of line of codes. And by reducing the number of lines in the code it will increase the codes efficiency.

Commenting is very important because after looking at the code you wrote after sometime you might not be able to tell what exactly you have done

This will not only help you but also the other people who will look at your code later on to know what you have written and the reasons why you have put them.

Another thing that programmers do that should be avoided to maintain clean code is that removing unnecessary comments. For example after we find a new way to do a section of the code we usually comment the old code and keep it.

This is not a good practice. After we are sure that we won’t be needing that code anymore we have to delete unnecessary codes and comments.