Self-learning topic proposal

Primary/Computing Tool
Domain of Application
Topic:
Description

Why is this relevant:

Why will this be beneficial?

Level 1 - Basic Application

Level 2 - Basic Knowledge

Level 3 - Advanced Application

Level 4 - Advanced Knowledge

Next step

c proposal

Computer science
Editor and IDE Configuration
Emacs
Emacs is a family of text editors that are extensible, customizable, self-documenting and real-time display.

As a computer science major I can write my own configuration of emacs, using emacs instead of IDE to write, compile, run and test my program.

It is good for writing and testing programs, writing and manage reports and time management.

Outcomes
I will be able to use emacs (without any configuration): Know the main shortcut keys. Know how to browse documents. Be familiar with basic operation.

I will be able to write eLisp programming language, which is required in writing the configuration of emacs.

I will be able to read and analyse other people's configuration.

I will be able to modify other's configuration and add some new features into the configuration.

I will be able to write my configuration, emacs can be used to write, compile and run programs, write notes, make a to-do list with this configuration.

Description of what will be delivered
A report describing the basic operation, shortcut keys.

A report (in addition to Level 1 content) including a note of elisp learning. It will including the basic function, command, script and data structure of emacs.

A report (in addition to Level 2 content) including an analytical report of the configuration of others.

A report (in addition to Level 3 content) including the reason why I make the change of the configuration and explain the new feature.

My code of configuration.

Included Artifact

A link to the analyzed configuration.

A github link with my own configuration.

Resource
Pro-Git
GitHub Guides
Wikipedia page on version control software

Link

https://git-scm.com/book/en/v2
https://guides.github.com/
https://en.wikipedia.org/wiki/List_of_version-control_software

Notes

Has information on the git software itself - usage syntax, etc
Has information on the github hosting platform
Basic introduction to version control tool choices

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Software Development

Game Development
Git

Outcomes

Description of what will be delivered

Included Artifact

| Resource | Link |

Notes