Training geekFarm

1. Introduction Algorithm

Algorithm is function to solve a problem. Example of algorithm is when we go to somewhere we have some option to use transportation such as Train, Travel, Bus or Plane. The solution is we must choose the best algorithm. There is three construct of algorithm that is Sequence, decision and Repetion.

Programming is divided into 3 parts, that is Front end, Back end and Database.

**Back end**

Java

* Web : JSF, Spring, Hibernete, JWT
* Desktop : Swing and JavaFX
* Mobile: Android Studio

PHP

* Laravel
* Symfony
* CodeIgniter
* Yii
* Cake
* Zend

Phyton

* Web : Njango, Flask, pyramid.
* Desktop : PyGUI, PyQt, PyGObject.
* And many other.

**Front end**

* Javascript : Jquery, AngularJS, NodeJS, VueJS, ReactJS
* CSS : Bootstrap, material, Materialize, Metro UI

**Database**

SQL

* Mysql
* Oracle
* MariaDB
* Microsoft

No SQL

* MongoDB
* Redis
* CouchDB

1. Git Basic

* Learn step by step to install and use git.
* Learn to create an empty folder in home directory.
* Learn to change directory, Initialize folder as local repository.
* Use commend for check status.
* Use commend touch for add a new file.
* And learn how git know who change the file with log -1.
* Learn to create branch
* How to send file and branch to github.

Dificullty :

* Didn’t know about SSH.