**Training Notes**

* What is MAVEN?

Maven is a dependency and management and build tool, that see which library you can use in your project and put auto and build them and to sure that is run properly.

* How you can create a package in IntelliJ?

Package Created from Group id (when you type com.ss.ss.ss this can be shown on the SRC as folders packages).

* What is GIT?

GIT is Tool that allow developers no matter what is the stack to access to all of the code , make much more effective that able development teams to work on each size of massive application and some big application , Version control system to manage files as you are developer and can able to make git repository of you program on your computer and you can make a sync up by local lab or GitHub , use to track changes on the source code , allow multiple developer to work together and its nonlinear development because you have a thousand of the parallel branches .

* Example of GIT Status?

You have many git statuses like:

1. Head pointer: where is the head pointing, when you in the branches when you in a commit and this git status tell you if you in.
2. Compare remote tracking branch
3. Suggestion

* What is GIT Repository?

GIT repository is a. git folder when you create a project, this repository tracks all changes to some file in your project to, that’s mean if you delete git repository file this can delete all work in the file.

What is Cloning Repository?

Copy repository from GitHub to local computer

Command: git clone <https://github.com/abdulrahmanshawash/Traninig-.git>

This command mean that repository copied from GitHub to local computer.

What’s the GIT Versions and difference between them?

You have two versions of GIT control:

* Central Version Control: Located in one place, have a problem when you need to access to central repository or central server.
* Distributed Version Control: Everybody have a local repository.

What is the Difference between Push and Fetch?

* Push: add something to server.
* Fetch: take something from server.

How to Push file to repository using GIT BASH?

* Go to folder using this Command: cd “Desktop” cd “NAME OF FOLDER”
* Type git init
* Type git add.
* Type git commit -m “NAME OF THE COMMIT”
* Type git remote add origin <https://github.com/abdulrahmanshawash/Traninig-.git>
* Type git push origin master –force
* Used To push New files to the repository

What is GIT ADD?

**add** is to add any new or modified files to index, **git add** add new content to the index and not ignored add files by default, and its used to nick name to repository.

* Commands:
* git add.
* Type git remote add origin <https://github.com/abdulrahmanshawash/Traninig-.git>

What is GIT commit?

To perform these modifications or to give a message to explain the reason or content of some modification the step is mandatory.

* Commands:
* git commit -m “NAME OF THE COMMIT”

What is GIT fetch?

Git fetch is used to download files refs and commits from repositories in to the local computer, its used when you need to see what anyone works

* Commands:
* git fetch
* git diff README.md
* git diff cached REDME.md
* git diff master origin/master
* clear
* git merge
* These steps of command when you change something in the README.md file in GitHub repo.

What is the difference between git fetch and git pull?

Git Fetch: Git fetch is used just to download files refs and commits from repositories in to the local computer.

GIT PULL: Git pull is used to fetch and download content from a remote repository and immediately update the local repository to match that content then it is Merging remote upstream changes into your local repository is a common task in Git-based collaboration work flows.

What is some Java convention code rules?

* Classes start with a capital letter and should be nouns like CleanderDialogView.
* Methods names should be verbs in imperative form, start with small letter like getKey.
* Constants should be written with capital letters in Java.
* Statements anything from a single line of code to complex mathematical equation.