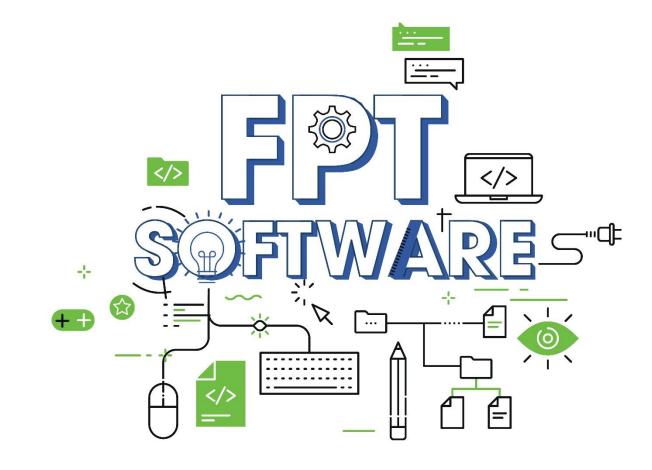# Fresher Android

Version Control with Git – Git Advance

Lesson Objectives

- Demo for Git Command

- Git submodule

Git command demo

Revision last session

command	description
git clone *url [dir]*	copy a Git repository so you can add to it
git add *file*	adds file contents to the staging area
git commit	records a snapshot of the staging area
git status	view the status of your files in the working directory and staging area
git diff	shows diff of what is staged and what is modified but unstaged
git help *[command]*	get help info about a particular command
git pull	fetch from a remote repo and try to merge into the current branch
git push	push your new branches and data to a remote repository
others: init, reset, branch, checkout, merge, log, tag	

Section 2

Git submodule

Situation

- You have external component or subproject is changing too fast or upcoming changes will break the API (iOS Framework, Android Submodule, Java dependencies)

- A component isn't updated very often, you want to track it as a vendor dependency

- A delegate a piece project for 3rd party and need integrate their work at specific release (updates are not too frequent)

Git submodule

- *Git submodules keep a **git repository** as a **subdirectory** of **another git repository***

- *Git submodules are simply a **reference** to another repository at a **particular snapshot** in time.*

Implement Submodule

- *Clone parent repo*

- *Add submodule*
  - `git submodule add`

Implement Submodule

■ *Check repo*

■ *Commit submodule and push*

Assignment

- *Assignment 1: Practice use rebase command*

- *Assignment 2: Practice use merge command*

- *Assignment 3: Configure a project with submodule*

- *Assignment 4: Practice with submodule command*

THANK YOU!