**Web Developer**

**MERN Stack :**

**Mongo DB/MySQL Express Module React JS Node JS**

**Phase 1 :**

**Agile, Git, HTML,CSS, JavaScript**

**Project**

**Simply blogging**

**Phase 2**

**ES6 Features and React JS with Redux.**

**Project, Node JS Module**

**Building a To-Do App**

**Phase 3**

**Node JS Modules file handling, http module,**

**Express module (REST API),**

**Mongo DB,**

**Connecting Mongo DB data through Node JS**

**MongoDB and Mongoose**

**Socket programming**

**Project**

**Chatbox**

**Phase 4**

**Testing modules**

**Docker**

**Jenkin**

**AWS Overview ( ES3, RDS, S3 etc).**

**SVN : Java**

**Client1 or dev1 or Local Repository**

**Client2 or dev2 or Local RepositoryServer**

**Repository**

**Client3 or dev3 or Local Repository**

**GIT : Git is known as Sub Version Control System.**

**It is use to records the changes done in file or folder or application or projects.**

**Online shopping application**

**Git provide distributed sub version control system.**

**Login Module**

**Customer Module**

**Order Module**

**Manager module**

**Git commands**

**To make the folder as local repository as**

**git init**

**if you want to check the last command status we have run the command as**

**git status**

**If we want to move file from untrack phase to staging area. We have to run the command as**

**git add filename**

**if we want to move this file from staging area to local repository (folder).**

**git commit –m “Commit Message”;**

**git config --global user.email "you@example.com"git config --global user.name "Your Name"**

**git config –-global user.email “**[**abc@gmail.com**](mailto:abc@gmail.com)**”**

**git config -–global user.name “userName”**

**github : github is a part of Microsoft which provide remote repository for the git.**

**AWS**

**Azure**

**Google cloud**

**Oracle cloud**

**Etc**

**git add . ( all files and folder) adding the staging area.**

**Command to connect local repository to remote repository**

**git remote add origin URL**

**now to push the data to remote repository we have to use the command as**

**git push –u origin HEAD (u means upstream and HEAD last commit in that branch).**

**If we do any changes in local repository means created new file, updated existing file or deleted files**

**git add .**

**git commit –m “Message for that task”**

**git push –u origin HEAD**

**Steps :**

**git init**

**git status**

**git add .**

**git status**

**git commit –m “message for task”**

**git status**

**data store in local repository**

**git remote add origin URL**

**git push –u origin HEAD**

**next time or again and again whenever you do any changes in project or folder.**

**git add .**

**git commit –m “commit for task”**

**git push –u origin HEAD**

**Another way to make local folder as a local repository**

**git clone URL**

**git branch : A branch is simply light weighted movable pointer which hold more than one commit details.**

**When we create local repository we can see default branch ie master or main.**

**Syntax to create the branch**

**git branch branchname**

**To view branch names**

**git branch**

**To move use-defined branch**

**git checkout branchName**

**To delete the branch**

**git branch –D branchName**

**Command to create the branch and switch the branch**

**git branch branchname**

**git checkout branchName**

**Or**

**git checkout –b branchName**

**Manager**

**Manager create sample code and push in remove repository.**

**Ali Ajay**

**Git clone done by both developer**

**Login Application**

**BranchName BranchName**

**Ali\_Login Ajay\_Application**

**Git clone URL**

**: First time to download or clone remote repository in local machine.**

**And**

**git pull**

**: This command is use to updated new changes from remote repository to local existing repository.**

**git pull : we have run this command in default branch ie main or master.**

**git push : we have to push use-defined branch to remote repository**

**If we want to check all commit details**

**git log**