Day 2 -15 May 2025

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Git

Git is the most popular version control system in the world

A version control system records the changes made for code over the period of time in a special Database called Repository and see who has made what changes & why … if something wrong we can easily revert our project back to earlier stage

With version control system we can track history and work together

Version control system falls into two categorys Centralized and Distributed

In centralized system all team mebers are connected to a central system to get a copy of code and share the changes with team eg subversion , team foundation server

Distributed : Every team mebers have copy of the code we can save in our local machine Git and merciluar

Git is most popular version control system

Free

Open source

Super fast

Sclable

Cheap branching / merging

Git can be used in command line , code editors & IDE eg : VS code , Git lens extension for vscode

Gitkraken and sourcetree Graphical GUI tools , GUI tools have limitations ,GUI tools are not always available ..

*Command line & GIT --*

GIt commands:

Git status

Git init

Git add “filename”

Git commit -m “type msg”

Git clone url

Git remote add origin url

Git push origin main

Git config –global user.email “email id”

Git config –global user.name “name here”

Git status

Git log

**Installation of Git Setting up of VM environment , Troubleshooting VM … Git installing And running basic Git commands**