Day 3 Notes

1. Difference between Git, Github, and Gitlab
2. Basic Git codes

`Git clone https` #Creates a local copy of a remote repository from GitHub/GitLab.

`Git pull` #Fetches latest changes and merges them into the current branch.

`Git fetch --all` #Downloads updates from all remotes without changing local code.

`Git branch --all` #Shows all branches (local + remote).

`Git branch` #Shows only local branches.

`Git checkout branchname` #Switches to an existing branch.

`Git checkout -b newbranch name` #Creates a new branch and switches to it.

Example files:

App.py

Main.py

App1.py

Main5.py

`Git add .` #Adds all changed files (new/modified/deleted) in the current directory to staging.

`Git add app.py` #Adds only **app.py**(foldername) to staging.(foldername)

`Git commit -m message` #Saves staged changes as a commit with a message.

`Git push` #Uploads committed changes to the remote repository.

3. How to create a virtual environment in Python?

`Python -m venv foldername` #creating a virtual environment (isolate python)

`Shakthi/script/activate` #to activate the environment

`Pip install -r requirements.txt` #to install requirements for the virtual environment

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Python app.py        #Runs the Python application.

Deactivate           #Exits the virtual environment.
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