

introduction to GitHub

Operations in GitHub

Introduction to Git and Visual studio

Operation of git on visual studio

- (i) Create GitHub account/ sign in to the account
 - (ii) Create new repository
 - ➔ Click New/ + symbol
 - ➔ Type repo name
 - ➔ Add description (optional)
 - ➔ Select Public option
 - ➔ Select Readme file
 - ➔ Click create repository
 - ➔ Get into the created repository
 - (iii) Create Branches
 - ➔ Main branch is available by default
 - ➔ Create new branch ➔ click drop down list under 'main'
 - ➔ Click view all branches option
 - ➔ Click new branch
 - ➔ Type branch name
 - Copy of main branch has been created.
 - (iv) Commit Command
 - ➔ Click readme file
 - ➔ Select edit option
 - ➔ Type the changes: updates
 - ➔ Click commit changes ➔ on feature branch not in main branch.
 - (v) Pull request
 - ➔ Click pull request
 - ➔ Select new pull request
 - ➔ Select the file 'readme'
 - ➔ Click create pull request
 - ➔ Pull request created.
 - (vi) Merge Command
 - ➔ Merge pull request
 - ➔ Click confirm merge
 - (vii) Delete branch
 - ➔ Click delete branch
 - Commit will tell you the changes were made.
 - (viii) Cloning & Forking
 - ➔ Go to home page of repository
 - ➔ Click Code option to download zip file.
 - ➔ Fork: Open other's repository
 - ➔ Click Fork option
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Download Git Desktop and Visual Studio code

Do changes on git desktop, it will appear in the GitHub repository.

Git Command → Go to Command Prompt

- ➔ Create directory: mkdir test
- ➔ git config --global user.name " "
- ➔ git config --global user.email " "

Go to GitHub Web based: Create new repository "demo 1"

Create a folder in desktop 'git'

Open Visual Studio code

- ➔ Open folder
- ➔ Select git
- ➔ Select terminal option
- ➔ Click new terminal

Cloning → Type git clone "repository link"

- ➔ Type cd repo name
- ➔ Open git folder and select readme file
 - Type "modified from my local system"
 - Save
- ➔ Terminal: Type git status
- ➔ Type git add .
- ➔ Type git commit -m "modified" -m "description"
- ➔ Type git push origin main
- ➔ Create a file index.html
- ➔ Type <div> hello</div>
- ➔ Command prompt: git add .
- ➔ Git commit -m "updated"
- ➔ Git push origin main
- ➔

Gitignore option:

- ➔ Create new repository demo2
- ➔ Select git ignore option
- ➔ Select Python

Create a file in GitHub and check git

- ➔ Add new file in Github
- ➔ Click commit changes
- ➔ Go to git desktop
- ➔ Get into the folder demo1 → type git pull
 - New file will be appeared in the git desktop

Branch:

- ➔ Git branch (current branch)
- ➔ Create new branch: git checkout -b branch name
- ➔ # back to main branch: git checkout main
- ➔ # check the commits: git log
- Git checkout -b feature commitid
- ➔ Make changes in demo1 in git:
- ➔ Goto readme file (demo1) type
‘branch created’
- ➔ Type git add .
- ➔ Type git commit -m ‘modified’
- ➔ Type git push origin feature
- ➔ # checkout to feature branch

Merge

- ➔ Git merge main
- ➔ Go to GitHub and click confirm

Delete

- ➔ git branch -d feature
- ➔ git branch -D feature
- ➔ git branch origin --delete feature → delete remotely