What are we going to see in this session?

- Branches
- Create branch
- Push & Pull your local branch to GitHub
- Delete branch

Branches

- As you know default branch in every repository is Master (Main) branch.

- Your "master" branch contains the original code of project.

- Sometime you may need to add new feature to your project at the same time you don't want to touch or break the current state of your project.

- In such cases the best solution would be creating new branch and commit all your modified project contents over there.

- Once you tested your new feature and find it working fine, you can go-ahead and merge it with your "Master" branch.

- You can create many number of branches as per requirement.

- This approach would be helpful when several developers are working in same project and each of them can work on different branch without breaking the master code.

Create Branches

Local

- ✓ To check what branch we are working on
  - • git branch
- ✓ Create new branch
  - • git branch <branch-name>
- ✓ To switch between branches we are going to checkout command.
  - • git checkout <branch-name>
- ✓ Checking
  - • git branch (To check which branch we are into)
  - • git log (To check Head is pointing to which branch)

Note : Git is going to inherit all the files from master to new branch once it is created.

- ✓ Once after branch created, make commit & check if its not making any change in master.

GitHub

- ✓ Create branch in GitHub GUI.

Push & Pull your local branch to GitHub

Push your local branch to GitHub.

✓ First switch to branch
- git checkout <branch name>

✓ Make required modifications with files
- git add <file-name> (stage the file)
- git commit –m <message>
- git push origin <branch-name>

Pull branch from GitHub to local machine.

✓ Create branch manually in GitHub (GUI)

✓ Add couple of files in it.

✓ Create the same branch locally.
- git branch <branch-name>
- git checkout <branch-name>
- git pull origin <branch-name>

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Delete branch

GitHub

- ✓ Click branch tab in GitHub.
- ✓ Go-ahead click delete option.

Delete branch in GitHub from command line
- git push origin --delete <branch-name>

Local

- ✓ To delete branch, you can just run branch command with string -D
  - git branch –D <branch name>

Remember, you should not be in same branch when you are trying to delete it.

End of this topic !

Any questions?

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