Git And GitHub Session No.06

Summary 27-02-2022

- **Github-** Github is a centralized version control system(CVCS), We as developers can work collaboratively in a team by storing our code in a centralized location like GitHub. We can also create our own CVCS, But GitHub is one of the famous and most used CVCS systems.

- CVCS is a traditional version control system where the source code is stored in a central server maintained by a single authority. Developers check out the code they need to work on and make changes directly to that codebase. Once the changes are made, they commit the code back to the central server

- GitHub allows you to create, store, change, merge, and collaborate on files or code. Any member of a team can access the GitHub repository (think of this as a folder for files) and see the most recent version in real time. Then, they can make edits or changes that the other collaborators also see

- **README**- The default readme file contains the repository name and some basic instructions. The file format is 'md', which stands for Markdown documentation. It is a lightweight markup language that can be easily converted to text. While creating a repository in GitHub, if we initialize the repository with the "**Readme. md**" file then it will create all three areas (working area, staging area and commit area) for us, Otherwise, If we don't create a readme.md file then it will just create a dummy workspace, And we will have to upload all these areas from our local repository.

- To create a new repository in the GitHub
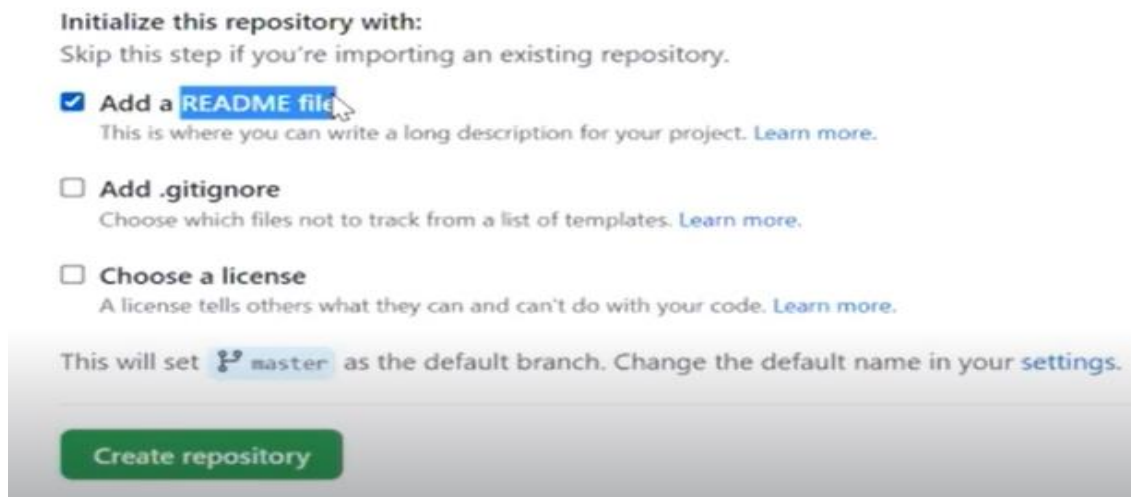- First go the GitHub and click on the new

- After that give the repository name

- Then click on the public

- After that click on the Add a readme file then click on create

Initialize this repository with:
Skip this step if you're importing an existing repository.

☑ Add a README file
This is where you can write a long description for your project. Learn more.

☐ Add .gitignore
Choose which files not to track from a list of templates. Learn more.

☐ Choose a license
A license tells others what they can and can't do with your code. Learn more.

This will set ⑂ master as the default branch. Change the default name in your settings.

Create repository

- Now your repository is successfully created

<> Code ⊙ Issues ⇄ Pull requests ⊙ Actions ⊞ Projects 📖 Wiki ⊙ Security ⬚ Insights ⚙ Settings

⑂ master ▾   ⑂ 1 branch ⬠ 0 tags   Go to file   Add file ▾   Code ▾

vimallinuxworld13 Initial commit   2061312 now ⏱ 1 commit

README.md   Initial commit   now
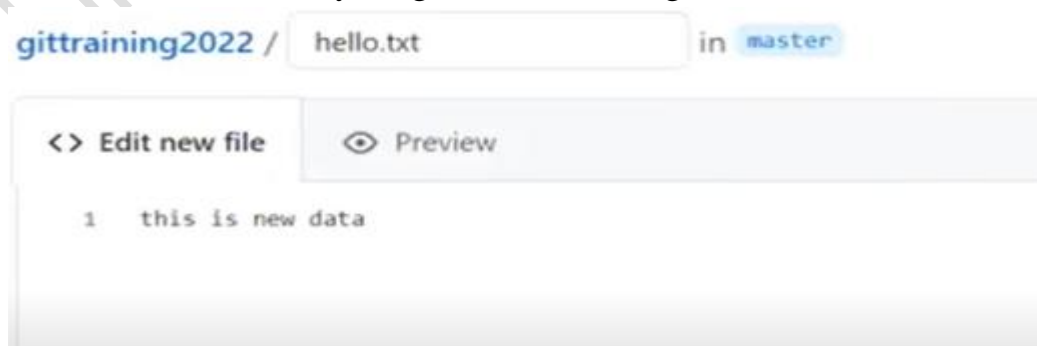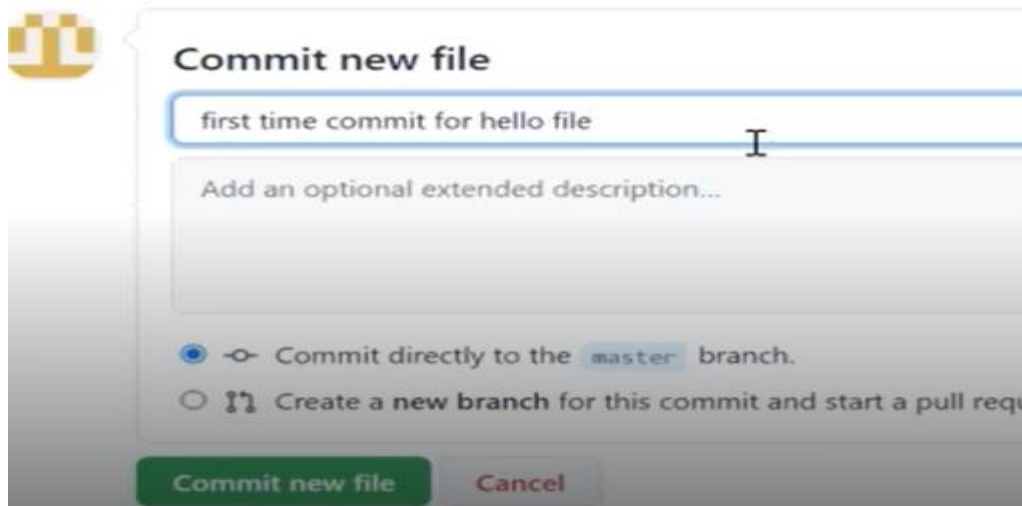
README.md   ✎

gittraining2022
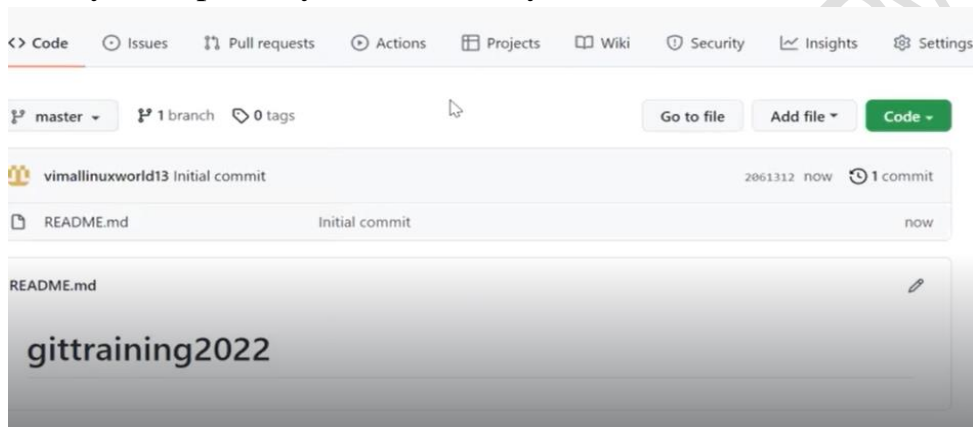
- After that we create a file
- For that only click on the Add file after that click on the Create New file

Go to file   Add file ▾   Code ▾   A|

Create new file   N

Upload files   ⑤ 1 commit   ⊡

now   ☆
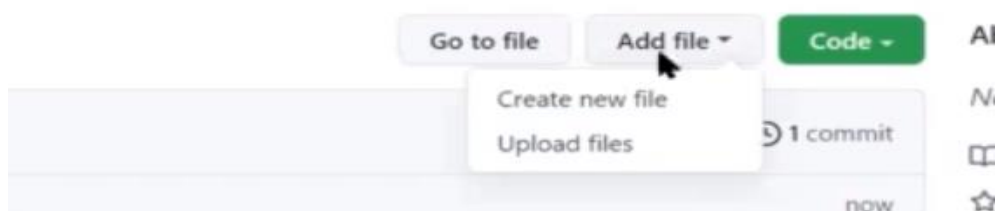
- Then write code or anything in that file and give the name of the file

gittraining2022 / hello.txt   in master

<> Edit new file   ⊙ Preview

1   this is new data

- Then click on the commit change

- As we can see new file is created