

Agenda :

- Schedule for the week -

Monday , Tuesday - Assignment Doubt , Main Session , Booster [ClassWork Assignment]

Wednesday - Live QnA

Thursday , Friday - Main Session , Booster [ClassWork Assignment]

Saturday - Revision [Ask Query , Weekly Test Discussion] -> Weekly Test [2 days]

Pre-Placement - JS , React.Js -> 90% above

Module -3 :

- Git & Github
- HTML
- CSS
- Tailwind
- MCT [Geekathon]{Geekster Hackathon}



Geekathon - 4-5 days to build the project.

- 20 Teams [Github]

Week Schedule :



- Basic Command Line

- GUI Vs Cmd

- Git - VCS

- Installation.

- add , staging area , commit , pull & push

- cloning and forking

- Branches

- Merge branch , merge conflict.

- Github

- Collaborator

- Read Me - Markdown

- Hosting - Deployment.

- Company Assignment.

- Interview Questions.

What is GIT?

- Version Control System.

- Its a Software .

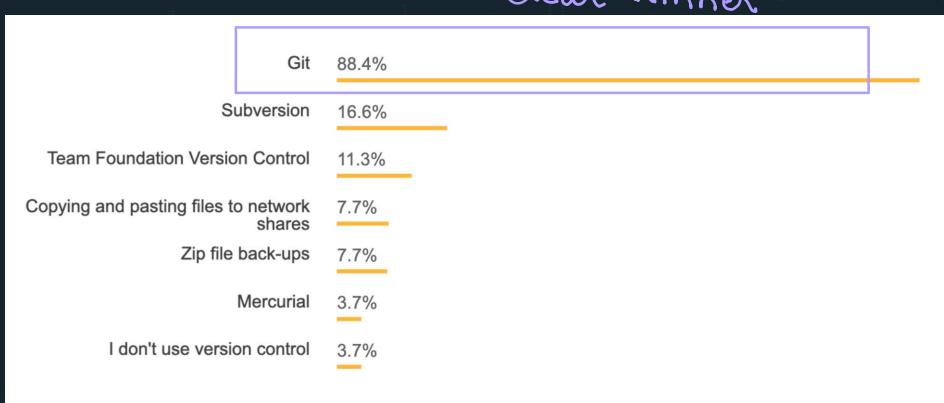
- It tracks and manages changes to files over time.

- revisit the earlier changes

- compare changes between the version.

- undo changes

Clear Winner



Git helps us :

- Track Changes across multiple file.

- Compare the version.

- Time travel : back to old version.

- Collaborate and share changes.

- Combine changes.

Big Picture ?

"GTA" Game - Vice City.



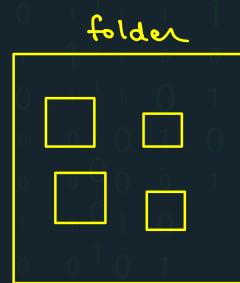
- PPT {https://www.canva.com/design/DAF3TQFk95E/Ttgb0fFb9tiqu4n_ESoMzA/view?utm_content=DAF3TQFk95E&utm_campaign=designshare&utm_medium=link&utm_source=editor}

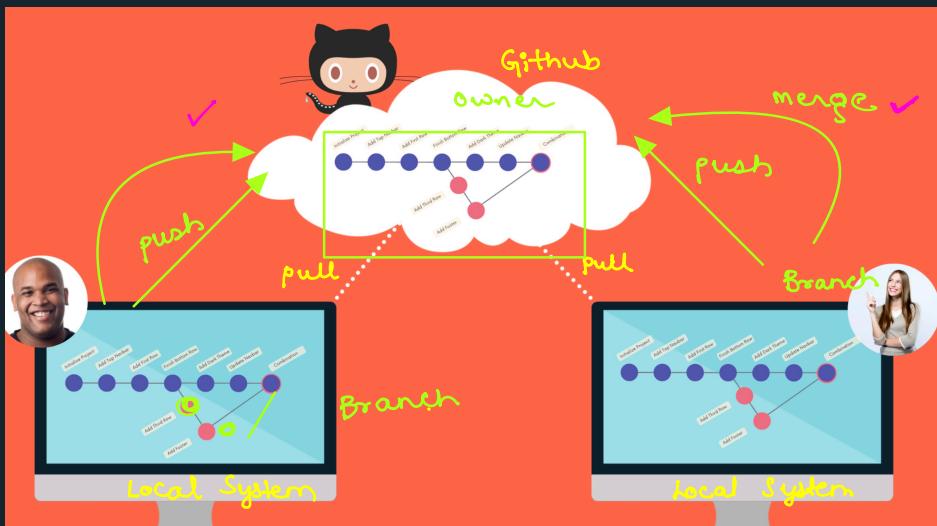
 This is a reference ppt for understanding checkpoints 'aka' commit.

 https://www.canva.com/design/DAF3TQFk95E/Ttgb0fFb9tiqu4n_ESoMzA/view?utm_content=DAF3TQFk95E&utm_campaign=designshare&utm_medium=link&utm_source=editor

What is Github ?

- Service that host git Repositories in the cloud.





- **Basic Command Line :**
 - **Linux Software.**
 - **GUI Vs Cmd [bash] -> Online IDE.**
 - **Command Prompt.**

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Required fields are marked with an asterisk (*).

Owner * Krishna-Geekster / **Repository name *** CommandLine

Your new repository will be created as Command-Line.
The repository name can only contain ASCII letters, digits, and the characters ., -, and _.

Great repository names are short and memorable. Need inspiration? How about [laughing-fiesta](#) ?

Description (optional)

Public Anyone on the internet can see this repository. You choose who can commit.

Private You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore [.gitignore template: None](#)

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license [License: None](#)

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

This will set **main** as the default branch. Change the default name in your [settings](#).

You are creating a public repository in your personal account.

Create repository

CommandLine Public

main · 1 Branch · 0 Tags

Krishna-Geekster · Initial commit · b4b6805 · 1 minute ago · 1 Commit

README.md · Initial commit · 1 minute ago

README

CommandLine

No description, website, or provided.

Readme

Activity

0 stars

1 watching

0 forks

Releases

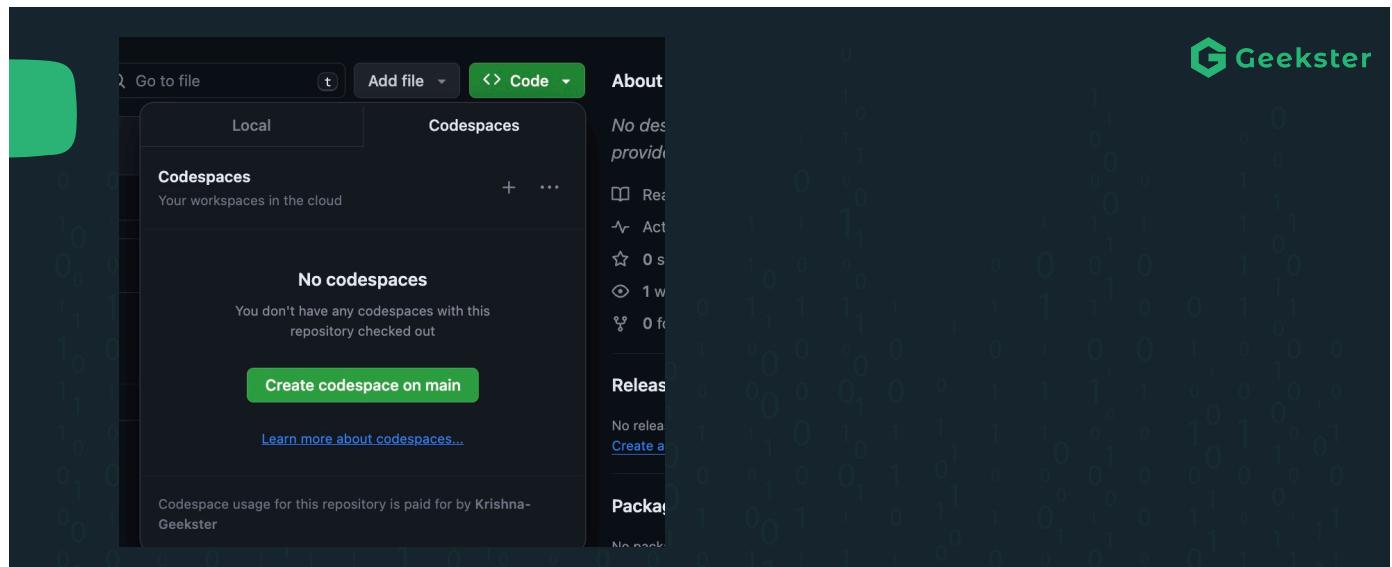
No releases published

Create a new release

Packages

No packages published

Publish your first package



Making Directory.

-o `mkdir <fileName>`

> Content

Where I am standing ? What is my current position ?

-o `pwd` - Current Working Directory

```
@Krishna-Geekster ~ /workspaces/CommandLine (main) $ pwd  
/workspaces/CommandLine
```

Navigate or change the directory ?

-o Change Directory "cd command".

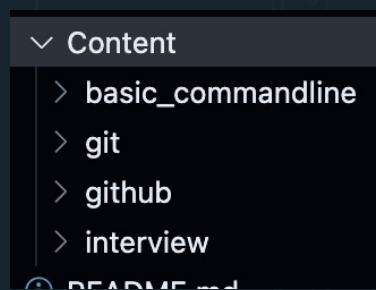
```
@Krishna-Geekster ~ /workspaces/CommandLine (main) $ cd Content/  
@Krishna-Geekster ~ /workspaces/CommandLine/Content (main) $
```

```
● @Krishna-Geekster ~ /workspaces/CommandLine (main) $ cd Content/  
● @Krishna-Geekster ~ /workspaces/CommandLine/Content (main) $ ls → no file present  
● @Krishna-Geekster ~ /workspaces/CommandLine/Content (main) $ ls -la → hidden  
total 8  
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:14 .  
drwxrwxrwx+ 4 codespace root 4096 Dec 18 16:14 ..
```

```
● @Krishna-Geekster ~ /workspaces/CommandLine/Content (main) $ cd ..  
● @Krishna-Geekster ~ /workspaces/CommandLine (main) $
```

Going back to
the directory

```
@Krishna-Geekster → /workspaces/CommandLine/Content (main) $ mkdir basic_commandline git github interview
```



```
@Krishna-Geekster → /workspaces/CommandLine/Content (main) $ ls
basic_commandline git github interview
```

```
/workspaces/CommandLine/Content (main) $ cd basic_commandline/
/workspaces/CommandLine/Content/basic_commandline (main) $
```

How we can Create a file ?

- touch command.



Open & Write ?

- nano command :

```
@Krishna-Geekster → /workspaces/CommandLine/Content/basic_commandline (main) $ ls
file1.txt file2.txt
```

```
[Preview] README.md   file1.txt ✘
Content > basic_commandline > file1.txt
1 Hi , Everyone ! Welcome to the first day of Git Command. I hope you are learning valuable things.
2
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS bash - basic_commandline

total 24
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:14 .
drwxrwxrwx+ 4 codespace root 4096 Dec 18 16:14 ..
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 basic_commandline
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 git
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 github
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 interview
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 nano
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 touch
@Krishna-Geekster → /workspaces/CommandLine/Content (main) $ ls -la
total 24
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 .
drwxrwxrwx+ 4 codespace root 4096 Dec 18 16:14 ..
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 basic_commandline
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 git
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 github
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 interview
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 nano
drwxrwxrwx+ 2 codespace codespace 4096 Dec 18 16:21 touch
@Krishna-Geekster → /workspaces/CommandLine/Content/basic_commandline (main) $ touch file1.txt file2.txt
@Krishna-Geekster → /workspaces/CommandLine/Content/basic_commandline (main) $ ls
file1.txt file2.txt
@Krishna-Geekster → /workspaces/CommandLine/Content/basic_commandline (main) $ nano file1.txt
@Krishna-Geekster → /workspaces/CommandLine/Content/basic_commandline (main) $
```

Ctrl + X → Save

y
Enter

Read the File ?

-o cat <fileName> Command

```
@Krishna-Geekster ~ /workspaces/CommandLine/Content/basic_commandline (main) $ cat file1.txt
Hi , EveryOne ! Welcome to the first day of Git Command. I hope you are learning valuable things.
```

Copy File?

-o cp command

current file

new file

\$ cp file1.txt file1_backup.txt

path

confusing ??

Rename -> mv command

Move -> mv command

But I'll Know

now to handle it

```
mv file1.txt file.txt
```

rename

basic_commandline

≡ file.txt

≡ file1_backup.txt

≡ file2.txt

```
line/
mv file.txt github
```

≡ file1_backup.txt

≡ file2.txt

≡ github

```
mv basic_commandline/file1.txt github
```

path1.

path2

```

    Content
      basic_commandline
        file1_backup.txt
        file2.txt
      git
      github
        file1.txt
      interview
      README.md

```

How I can delete empty file or folder ?

```
rm file1_backup.txt
```

How I can delete the entire directory.

```
rmdir interview/
```

```
rm -r github/
```



Force fully , If you are deleting it with a content present in the folder , -r flag for the urgency/ forcefully.