**Github smitsph/ Amateur**

**Introduction to Github**

A platform where one can store or host your files/ projects /repository and showcase your work. It is a version control system which keeps a track of all change in your files. Any kind of file can be stored . Code cannot be run on github only storing of codes. It helps easy recovery of files and rollback to previous working state

VCS can be local, centralized or distributed. Git is a software and github is a website where files are hosted, other platforms exist like gitlab and bitbucket too

Features of git ; Git gives a snapshot not difference. In the .git folder which is a hidden folder all history with latest version is available

In a local VCS if harddisk is lost everything is lost

**To uplad a file use add file options**

**To delet e a repository go to settings, danger zone / type username and repository name /click I understand the consequences.**

**For deleting a file click on dustbin icon on the right**

A readme file consists of documentation of the project. Readme file name cannot be changed.

Github only hosts files , one cannot run a code

Gitbash is a command line terminal to upload files, merge files from local computer to github account

**Creating an account on Github**

**What is a repository**

**Documentation**

**Advantages**

**Github evaluation;**

**Documentation stored in readme file or a summary of project in these lines.**

**Intuition**

**Metadata**

**Sources**

**Tools used**

**Prerequisites and installation**

**Deployment**

**Contributions**

**Inference drawn**

**Can be modified by clicking pencil button**

**.**

**Share on github section on slack**

Gitbash

It is a terminal for uploading multiple files

**For heading # one hash**

**For indented and smaller font ##**

**Inference**

**Project relevance**

**Number of projects**

**How can one improved Github profile**

**Gitbash to send files to github.**

Gitbash tutorial link

[https://www.youtube.com/playlist?list...](https://www.youtube.com/playlist?list=PLu0W_9lII9agwhy658ZPA0MTStKUJTWPi)

<https://www.youtube.com/playlist?list=PLu0W_9lII9agwhy658ZPA0MTStKUJTWPi>

Recording of class 21st August 2021

<https://drive.google.com/folderview?id=1hxssWNOoysZAy5rHBFKcnnwwiQUtFJhZ>

Git has three stage architecture.

Working directory where you are working

Staging area where you want commit to go or to push helps have a bird’s eyeview.

Git directory- final resting place

.git hidden folder – repository, where compressed files lie, as per command respective files are stored or retrieved.

1)Git status

2) Git init creates git repository

3) Git add –-a All files will go to staging area

4) git commit –m “ Initial commit”

5) git status

6) git log . Details of commit

To place only a single file

7)Git add first.txt

Git commit –m “ Message”