**GitHub – The Basics**

Github aik hosting platform hy jo hmari git repositories ko host krta hy. For more look at slides.

**Cloning Repo:**

* Git clone <url> : ye command retrieve kr k laati hy GitHub se repository hamri local machine par.

**GitHub Setup:**

* Simple sign up
* SSH Key Configuration: SSH protocol hy jo humy allow krta hy to be authenticated hr dfa email or password likhy bgair

**Creating a new repo:**

New Repo bnane k 2 trike ho skty hein aik ye k ap apni existing repo ko manually connect krien remote k through or push kr dein

Doosra trika ye k ap github pr repo bnaien empty or usko apne system pr clone kr lein is case me apko manually connect ni krna pryga.

Remotes:

* Git remotes -v : remotes view krne k liye command. Ye hmari git repo me jitney remotes hein unko list kr degi.
* Git remote add <name> <url> : hum git ko keh rhy hein k suno is url ko yaad kr lo is k sath diye huye name se.
* Origin standard naam hy remote hy ap kuch b de skty ho.

**Git Push:**

* Git push <remote> <branch> : hum git ko bta rhy hein khn push krna hy kis branch me or konsa remote use krna hy.

**Push Workflow:**

Do some stuff add and commit that then push on github using remote that you added earlier.

**Closer Look at git push:**

Git push origin local:cloud 🡪 iska mtlb ap k pass jo branch hy uska naam local hy uske jitney b commits hein jb wo github par push hongy to whn jo branch ka naam hoga wo hoga cloud.

**Git push -u means:**

U ka mtlb hy upstream agr ap ye set kr do to baar baar origin apko ni btana prta.

**Main vs master:**

Koi frk ni hy bs 2020 me github ny ye decision kia k wo master ni main rkhna chahty hein naam.

**Extra:**

Github automatically apki local repo k sath sync ni hota k ap add or commit krty jao pr github pr updation ho jye whn apko push hi krna pryga.