justion: 101

Explain hit, how git works and how to configure hit and push the files to hit to Explain with commands.

Anni Gnitis free and open source rension worked system designed to store files by making repository. For large or small project. User can share his work with different users and rest of the members can modify the files and somewit them whenever required.

"hit known allows merto store the file locally or store them on a website tike hithub. Vsens can connit changes to their reposer can instally robbback to previous rension of the file if the new file has some issues.

· Git kaar grojeelt go skrong a several steps:

Dorking directory: the vser is working on his repo, commit are not yet tracked and not yet sared.

1. stagging duratory: the files that are modified and now are reachy for sommit.

3). Committed: The snapshots of the files are stored as a commit history and vsers can next resert back to previous remion of the file that he had saved.

Norking Directory Committed. femote' Git Add ait lommit ait proh. > Commends to much Configure and puch fler to Github:

\$ 9 it init. Make a amount of Github. Intialize git \$ rong your smail and Github viernance \$ git worky -- global vsvr. name " \$ git config -- global mer email ~ -) make a directory with your viername and prefix as git-\$ mkdir git-Vsers rame. -) Create some fler or copy some fler to created directory to so shat we. un jush them to lithub. \$ ccho: first > one-txt \$ ccho suo nd , Two. txt. > you can cheek the status of the files, whether they are tracked. by Github repoor not. & git status. It will display the files and we haven't pushed them to bothub, so it will display it under un tracked files.

post we will add the created files to withub staging area. working directory \$ git add one txt. \$git add INO.txt. Bosh file are added to staying area but are not yet sommitted. answated with our Github enail mount. \$ ssh-keygen -t ed25719 -c "your-email" + Later we have to wory the weated key gen and add it to our aithub monnt under settings > ssh kuys. > to rapidate the generalted key we will vie ssh-agent. \$ ural · ssh-agent -s' Forma \$ excessh-agent bach. \$ sudo ssh-add rinay \$ ssh-agant. \$ ssh -T @ github.com pillow you have succenfully authenticated with your gither account. How re-Inhalize git. \$ jil mit. \$ git add fead me. nd. f git commit - m firstrommit

Now use your git runotaly.

\$ git remote add orgin aithub_repo_wat."

\$ git push -vorigin main.

> It will ask for mername and password, enfor them then your fite will be purhed. If it displays authentication failed then generate token in github and enter that token as parsword your files will be purhed to your. \$ Github > purologer settings > Generate personal token.
Generate it and copy it. Fruite the ionimand & git push in orgin main again,
Intergour asimane,
now instead of your Gither panword enter the personal token as
painword. panword. : Your Fiter are been sommished and pushed to Github. Inchon: D what are function? Explain hilferent types of functions with Am' function are used to perform set of intructions repeatedly

That makes whe remability better.

Syntax for creating a function:

function = name() }

Wit of warmands. Wit of wannards. s Ex: Hello () } / function dularation echo "Good Frening"

I calling the function Hello 2) type of function: Ofunction with parameters: Hun we will par two parameters with the function call, that parameters will be captured by the command and output will be generalted. Ex: Hello () } point who " Good Frening \$1 \$2" Hello ABC XYZ. D. Leursine function: function that calls thelf is known as recursive function. Other function can ix: Hello ()? also call different function from the program. who " Good Evening" Supe of variables: Youranne parameters like \$1, \$2, \$@ to perform mer befined garan-eters. In the who statement mention them within " and pair garaneters with the function call. fx: nello ()} 3 echo " Good morning &C"

Hello Str.