(Remedial) Hssignmont (003-1) => git is used to handle tracking changes in the Source code Enabling multiple developers to track work together. # Steps to add file on git through terminal! i) It Install the git by using command "sudo apt install git-all i) git clone address where attress is the URL-given on the Suftware's git page. iii) The Next Steep is to create a local repositor on the system by using command "mkdir newproject" iv) Now, we must initialize the repository in new project directory by issuing command git init Now, we have to add a like to the project by Using command "touch reading txt" vi) Cheek the Hartus by using command "git status" vii) and then add that file using git add readments after that Issue the "git status" command again and can be seen as readmentat is now considered as a hew file in the project viii) Now we have to do our first commit (A commit is a record of files of that has beed Changed within the Project before commit we have to use the come following Commands to introduce "git config -global user email Piguen agmail com"

"git config --global user name "piyush" x) Now, we can create the commit by Issuing the Command: git commit -m "Descriptive message" Where descriptive message is the message about the Changes within the commit for Example, Since this is the first commit for the readmentax file the commit "fit commit -m "first reading atx+file et creating a branch and pushing it to githerb. git theexout - b BRANCH (where broads is the name of reas branch). 1) Ment we need to create a repository on hittiub Ion githab account, Vice new Repo button from the accounts main page). iii) After creating the repository we have to use comm ands. git remote add origin uRi" gid Push -v Origin master" Where URL is the unl of our new grations repositions. after using this command system will be prompted to authoriticate username and passivores once successifully authenticated the project will be dicoessfully wished to our git hub repository.

Pulling the Project: To pull the project files into local machine, issue the command.
"git pull origin master" (this command will pull down
any new or changed files to local repositor).
The second of th
-> We can use another method also by generating the key using "38h keygen" after committing the file
-> "3sh "git log SSh- Keygen -t ed 25519 -C" Piyush @gmail"
→ a key will be generated and It will be saved as . Per the name given by the users.
-> gldit Pigush. Pub (we have to use this command to copy the key
After that we have to use the command "eval issh-agent
→ Exec Sin-agent bosh
-> &xec Ssh-agent bo ssh-add plush

→ SSh -T git @github.com

-> git add READMEING

→ git init

-> echo "# ma" >> README.md.

-> git commit -m "first commit"

- git branch - M main It remote add origin https: ______ -git Mow before pushing the file we have to generate tokens whim tokens which will be done using following steps, -> Click on betting in girhub page Click on Personal acress to kens. -> dien on Jenerale new tokens. -> lupy the dolcen to enter it in place of Passbroad file out of and sign and should plant Use the command "git push -u origin main -> Username and password will be asked type uper name and In place of them passizoned Enter that token. your file will be pushed to gittinb. g so awais in Propieties of January of the the most

1,10-10-14 14 NO HE

Function . -> function brobbe us to break down the overall function onality of a surpt into smaller, logical subsections, which can then be called to perform their individual dasks When needed war with a safe in the sail a selfore # Creating a function: No declare a function, we have to use the following ghutaxfunction_name () { list of commands Example: Hello O for the second Beho "Hello World" Here, the name of the function is Hello. 010 Hello World Passing Parameters to a function: We can define a function that will accept parameters While calling it. These paramenters would be represented \$ Symbol · Example: was is Hill I was " 8 cho " Hii, This \$1 \$2"

Mii This is ABC

OUTPUT: Hill This is ABC. It Returning values from functions: It the user wants to terminate the Execution of function, then the return command uses there the Syntax is: heturn () Example: no returns a value 10-Hello es & 8 cho" Hello Hil \$1 \$2" return to HUIO HII ABCXYZ Echo "Retain value is Bret" Here Stret is captured value returned by last command M = 3. The modernous restriction from the state of Output: Hello Hil ABL XYZ fleturn value is 10 not inch infrance particle HE Nested function: A function that carrie itself called Moted Lunction. EN. A Example: dunction 1 Ud Echo" This is first function functions "

function 2 () { & Echo" Mis is brond function" H calling functions function 1 Output: This is first function This is should function # function call from prompt: In this we group the definitions in a file, say testish and then Execute the like in the current stell by Lyping S. test. Sh. This will lead to the function defined inside test. Sh to be read and defined.