ASSISTED PRACTICE PROJECT

* become a root user:

# sudo su -

* Create a working directory[folder]

# mkdir myproject

* Go inside the directory

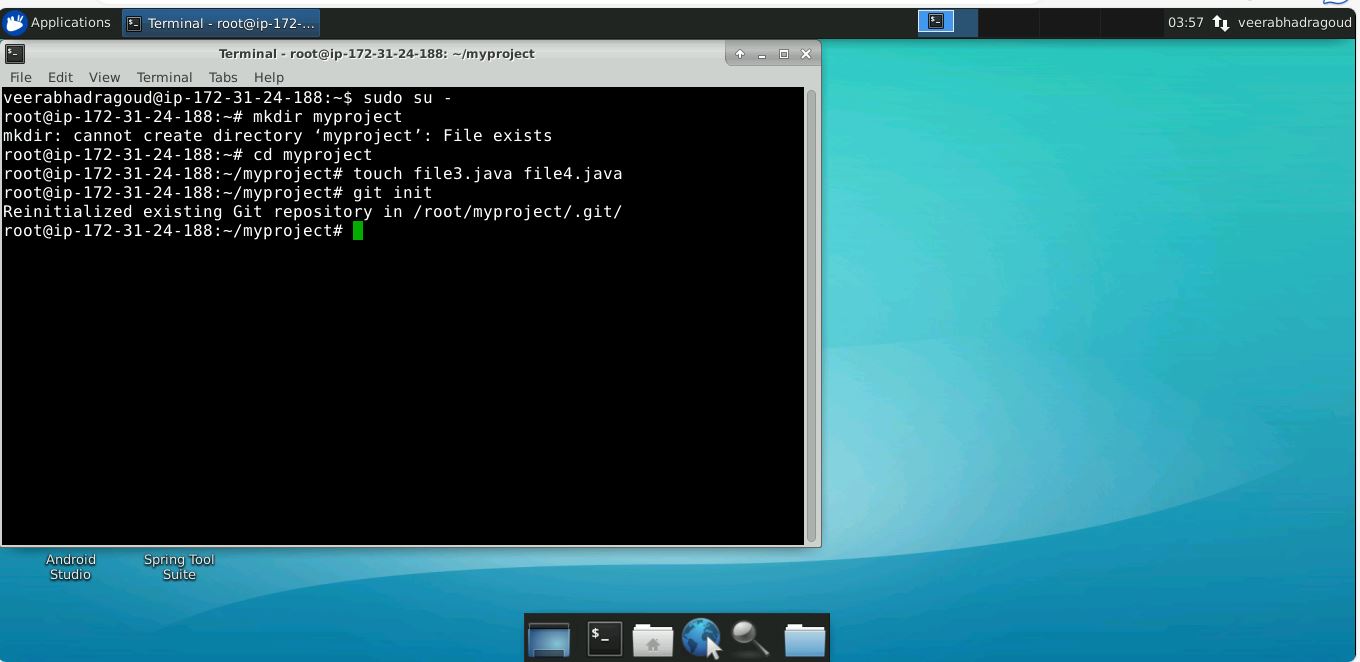
# cd myproject

* create empty files

# touch file1.java file2.java

* Create a local repo

# git init



* git configurations:

git config --global user.name veerabhadra

git config --global user.email [admin@gmail.com](mailto:admin@gmail.com)

* Adding a file to Local repo

# git status

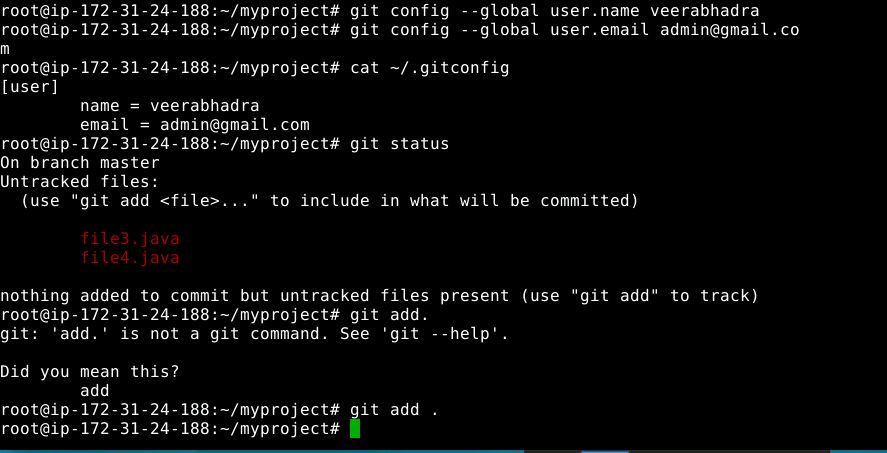
# git add .

OR

# git add -a // add all the files

# git status

# git commit -m "added file file1 and file2"



* Take an existing file which is tracked by GIT and do some modifications.

Commit the changes to git

* Make changes in the file--> add some content in the file Edit the file

# nano file1.java

* Insert any data To save and exit

Press CTL x

press y

press enter key

* Now check git status:

# git status

* To check the commit history on a git repository

# git log

# git log –oneline

* Take an exisitng file from local repo and Delete it from Local repo and working directory

# git ls-files

Choose a filename to be deleted

Execute the git delete command to delete a file from Local Repo and Working directory

# git rm <filename>

git rm file1.java

File will be removed from LR and WD

# git ls-files // file will not be LR

# ls // file will not be in WD

Commit the deletion of file:

# git commit -m "deletion of file"

# git log –oneline

* Step 1: Check the commit id that you want to revert

take the deletion commit id

# git log --oneline

copy the seven digits

c9bf927

* Step 2: Execute the revert command

# git revert c9bf927

press enter key, it will open a nano editor file

asking you to insert some message

Save the file: press CTL x ==> press y ==> press enter key

* Step 3: fiel will be abck in LR and WD

git ls-files

ls

* Step 1: Create some files that we will ignore

# touch file.txt file2.xml file3.log file4.class

* Step 2: Check the status of the files in GIT

# git status

files will be untracked, git is suggesting to add and commit them in local repo

* Step 3: We do not want to add them or commit them, we want to ignore these files

# nano .gitignore

insert below text

\*.txt

\*.log

\*.xml

\*.class

Save the file and exi

press CTL x and press y and press enter key

In this file add names of the files to be ignored

In this file names will added, 1 filename 1 line

Suppose you want to ignore all xml files or all .class files, so entry in the file cna be made like

\*.xml

\*.class

file.txt

\*.txt

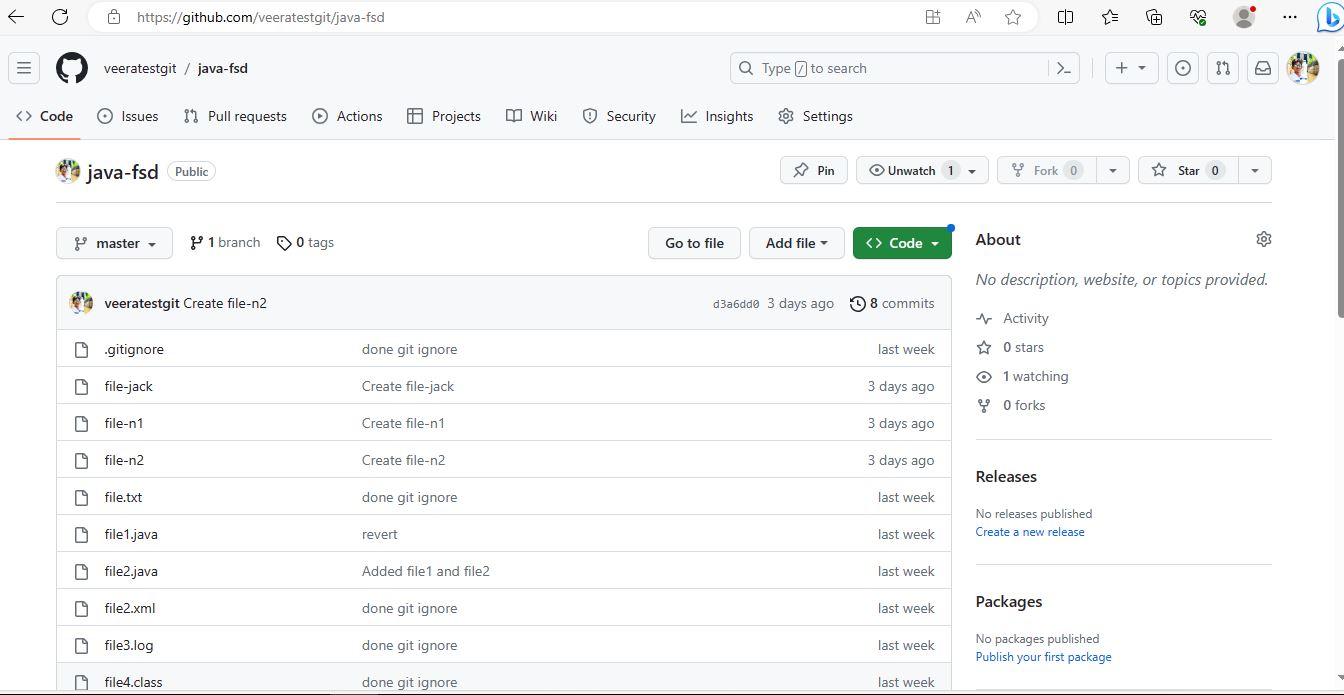
As you will save the file, git will start ignoring all the files

* Step 4: Check the status now and commit .gitignore file

# git status

# git add .

# git commit -m "done .gitignore"



Step 1: generate SSH keys:

Go to lab terminal

# cd

# ssh-keygen

dont enter any thing.. just keep pressing enter for 3 times

You key will generated

The public key can be seen by exeucting below commad:

# cat /root/.ssh/id\_rsa.pub

* Step 2:

Copy the key carefully

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQC7MWRf5oD4jXnFIvIfpZlBvUpb/fiR3WpFiAnZJZ7hYeD7G+WPKjQ5FaYTl7m6g+h4kSwa1VwyoMnjBm/+rdc3r1nVH+HujpBxa39+5tM0pYHFNP/UOc1dqWpOjAZlM3j5OuoTNvBZqZ+vvQ5XQGXHXlk5MtOjxO91rEOqpWuqYewXT9L535vprwavlOKKAEpIKKyNXCITSc4kTiLz9uSVS9utDEnByI9ohYK83DxGcPK2gNlie6vgaM9IdFeTRgJ+538QmzHiHAwAhcRcPBjIRCRisWWiRL6HpYs0e5l1Z1CtHwC2VAb4Ui5vXDmXSP/kPZtWGCEwsX6RLKmonZE7 root@ip-172-31-22-237

* Step 3: paste it on git hub
* Step 4: Create a remote repository