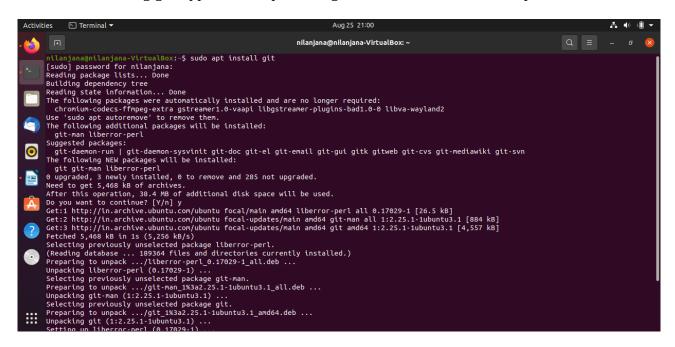
Setup git:

It consisits of two steps -

1. install git:

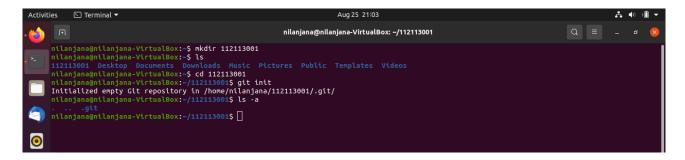
For installing git I typed 'sudo apt install git' command in terminal and pressed enter.



2. initializing git:

I want to track a folder named '112113001' for my course assignments, I have done the follwings to initialize git.

- Created 112113001 folder using 'mkdir 112113001' command
- Chnaged my working directory to 112113001 using 'cd 112113001' command
- initialized git inside the 112113001 folder using 'git init' command.



We can see the .git folder created after git initialization.

Keyless SSH setup:

It consisits of two steps -

1. Create Public-Private RSA key pair:

To setup a keyless SSH in a machine, we need public-private RSA key pair. For creating RSA key pair, I used 'ssh-keygen' command in terminal.

```
Activities Terminal Aug 25 21:04

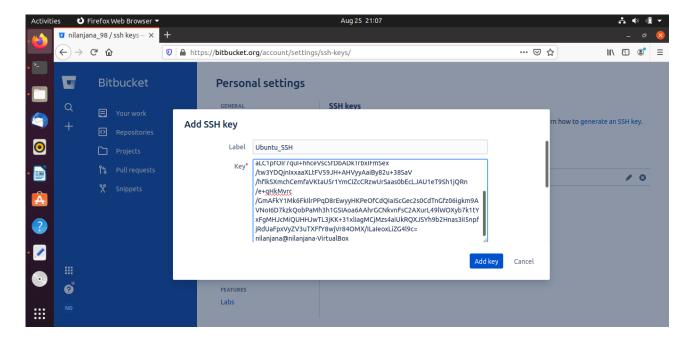
| Inlianjana@nilanjana-VirtualBox:-/112113001 | Inlianjana@nilanjana-VirtualBox:
```

2. Copy the public key and put it on bitbucket:

• I opened the public key file 'id_rsa.pub' in text editor and copied the content.



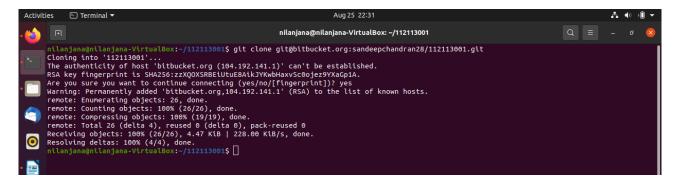
- To add SSH public key in bitbuket, I logged in to my bitbucket account .
- Navigated to settings>personal settings>SSH-keys.
- Clicked on add key button and gave a key name as 'Ubuntu_SSH' and pasted the public RSA in key field.



Git Clone:

I used Git Clone to clone an existing bitbucket repository to my local machine . We can clone a repository either by using Http or SSH . As I already set up SSH , I used SSH for cloning .

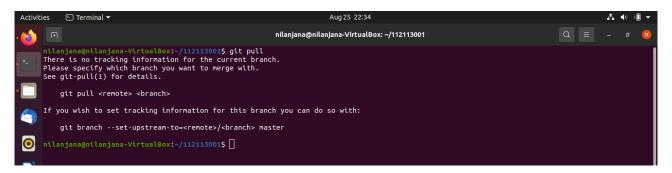
• I used 'git clone git@bitbucket.org:sandeepchandran28/112113001.git' command to clone the repository using SSH.



Git Pull:

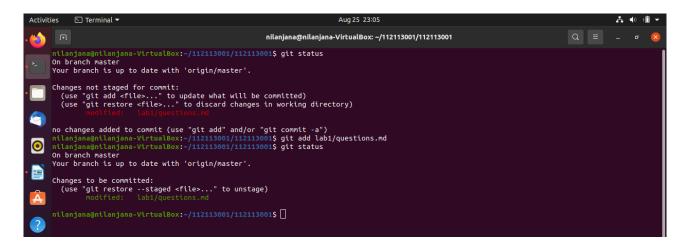
Git pull is used to pull any changes made in git .

I used 'git pull' command to make my local repository up to date with bitbucket repository.



Adding Changes to Git:

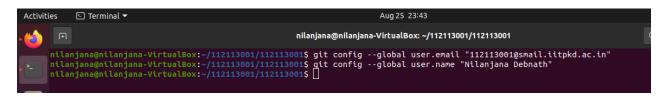
- To know the changes made in the folder, I used 'git status' command.
- To Add the changes into git, I used 'git add lab1/questions.md' command.



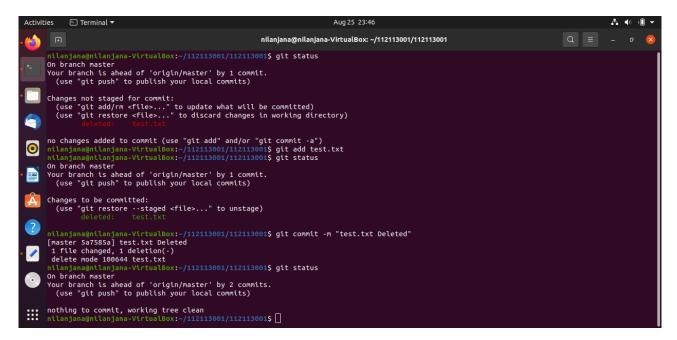
Git Commit:

To save the changes made in git locally, we have to commit.

- For the first time Commit, We need to configure git.
 - For configuring git I used the following commands shown in below screenshot.



After Configuration, perform Commit.



But the changes are made to local git only . To see changes in bitbucket , we have to push the changes to bitbucket to actually see it on bitbucket.

Git Push:

Git push is used for pushing all the changes done in local repository to remote repository in bitbucket.

• I used 'git push' command to push the changes to remote repository .

