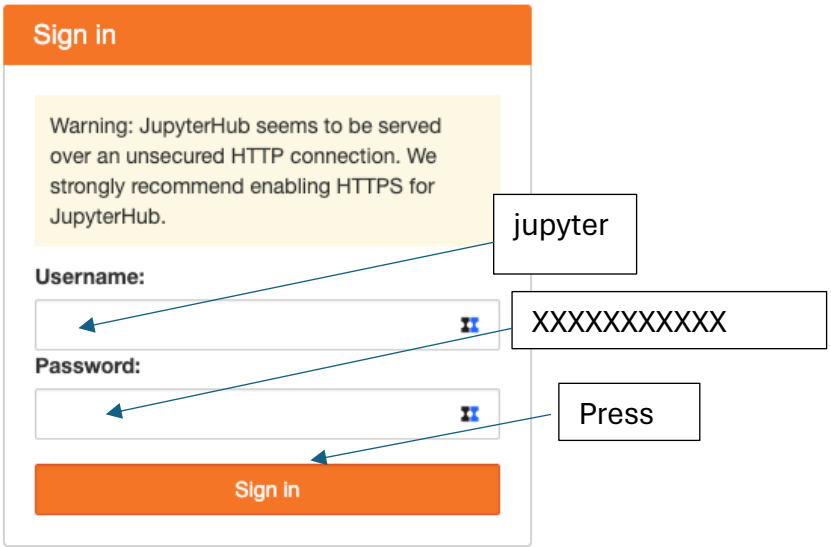
Creating User Account in the Servers of RAGE's Lab

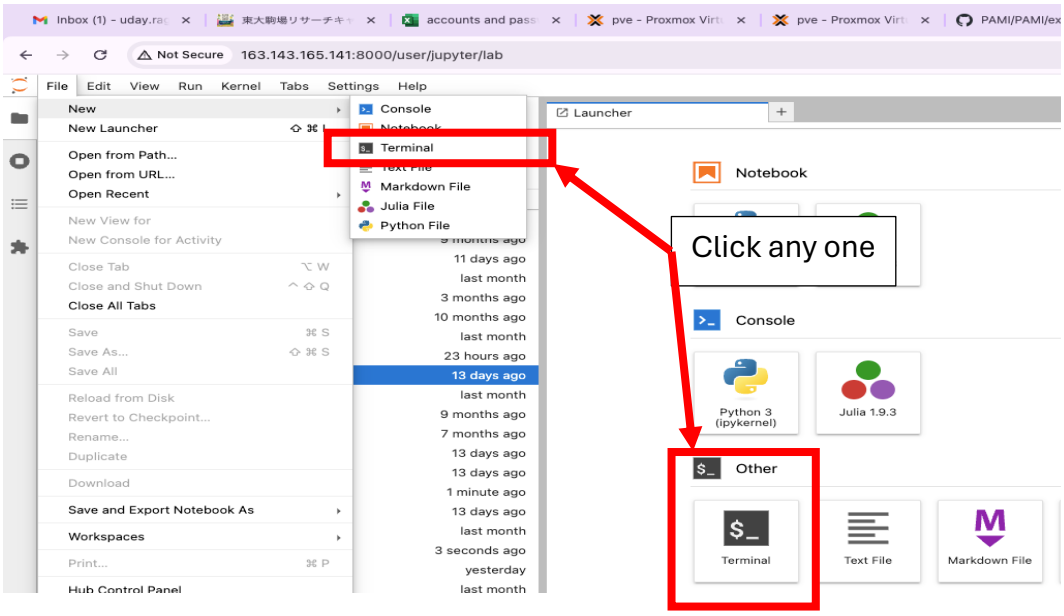
1. Tasks to be performed on the Computing Servers

- Click on anyone of the link
  - http://163.143.165.141:8000/
  - http://163.143.165.143:8000/
  - http://163.143.165.140:8000/
  - http://163.143.165.138:8000/
  - http://163.143.165.136:8000/

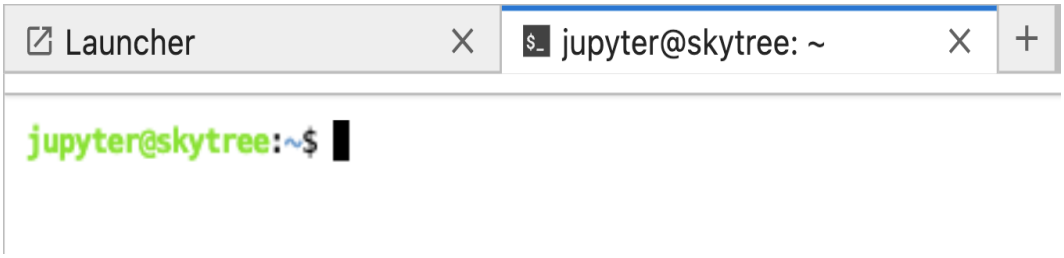
- The below provided screen will open.
  - Type the word "jupyter" as the username.
  - Type the word "XXXXXXXXXXX" as the password
  - Press the "Sign in" button



- The below shown screen will open. Click on “File -> New ->Terminal”



- This is open the “terminal” tab as shown below.



2. On the terminal, create your account by executing the following command:

   sudo useradd -m -s /bin/bash *userName*

   **Do not use capitals for the userName*

```
jupyter@skytree:~$ sudo useradd -m -s /bin/bash udayrage
[sudo] password for jupyter:
```

3. Enter the sudo user password “XXXXXXXXXXX”. Press Enter button.
4. Create the password for the newly created student account by typing the following command:

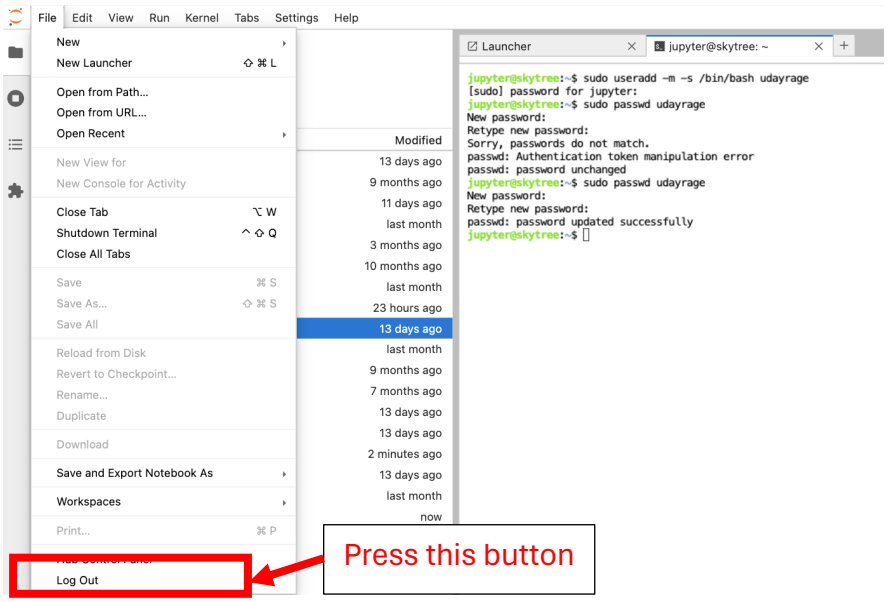
    sudo passwd userName

```
jupyter@skytree:~$ sudo passwd udayrage
New password:
Retype new password:
```

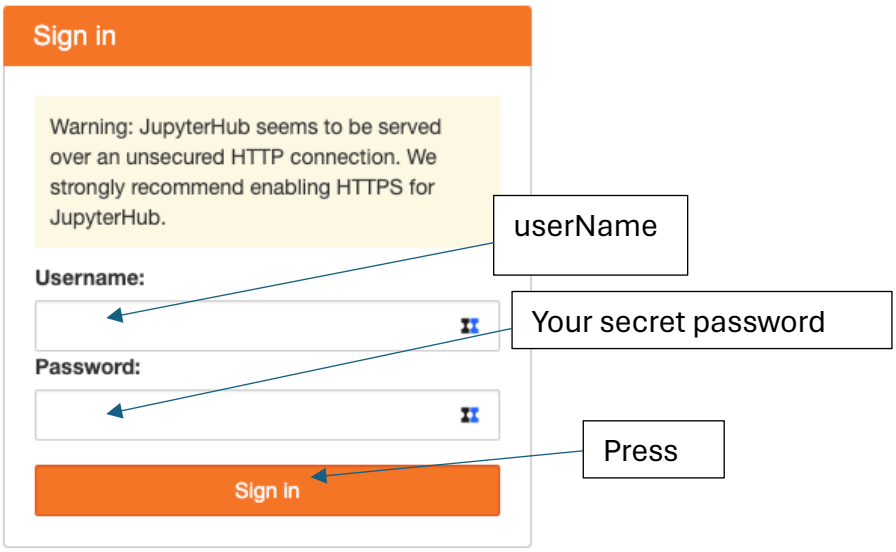
5. Type your own secret password for the “new password”. Retype the same secret password once again. You should see the following successful message:

```
jupyter@skytree:~$ sudo passwd udayrage
New password:
Retype new password:
passwd: password updated successfully
```

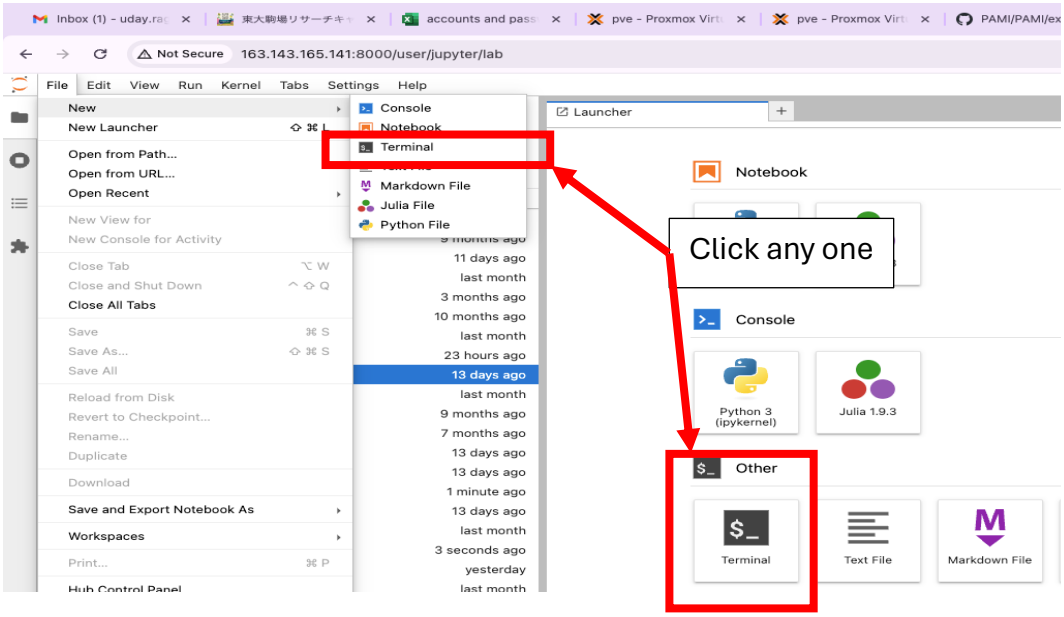
6. Logout from the sudo user account by pressing the “logout” button.



7. Login into the server by entering your newly created username and password



8. Open “Terminal”



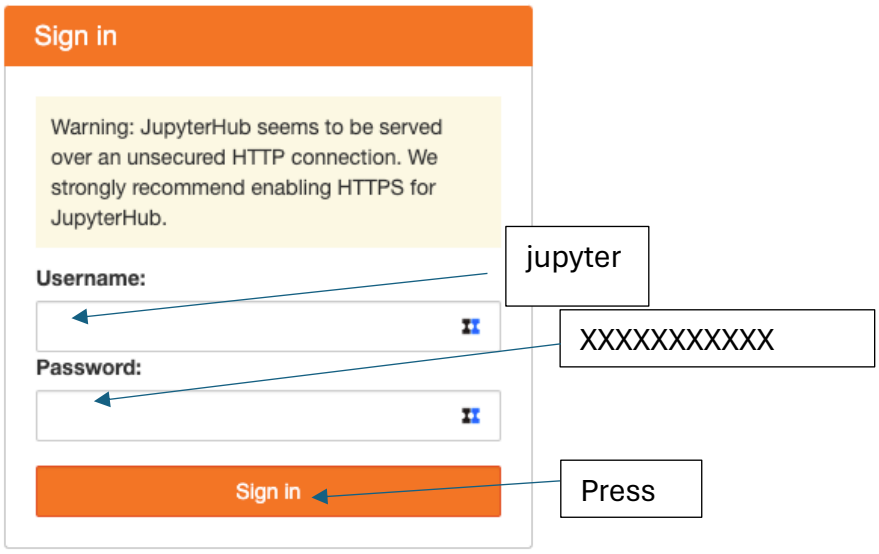
9. Create a directory to mount your home directory of the data server by executing the following command

```
mkdir remoteDir
```

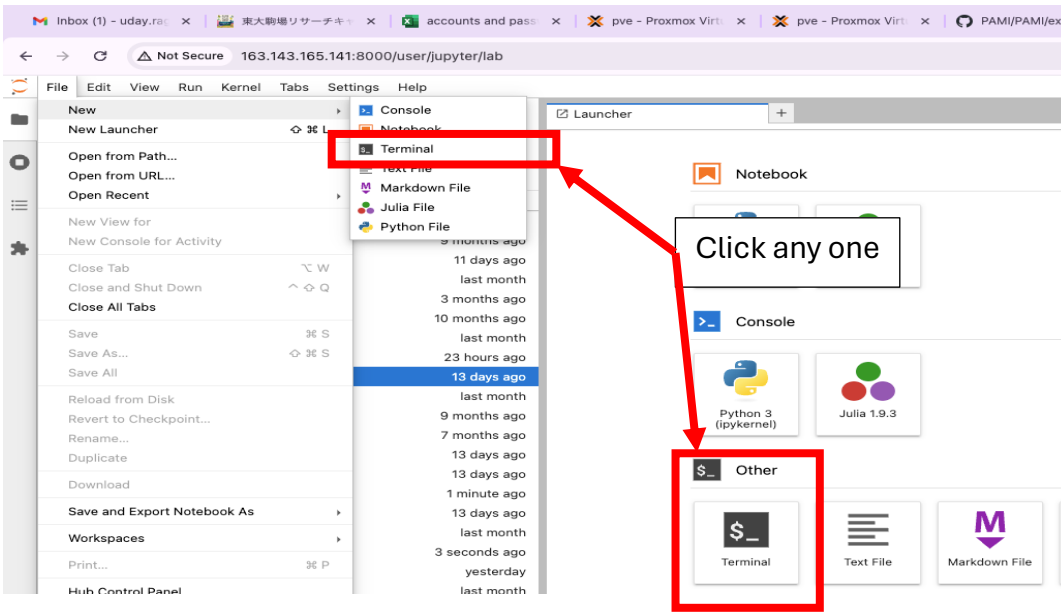
```
udayrage@skytree:~$ mkdir remoteDir
```

Task 3: On the Data Server

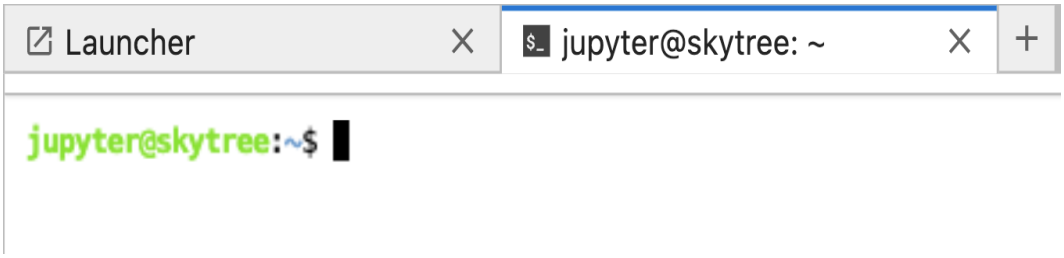
- Click on the link: http://163.143.165.145:8000/
- The below provided screen will open.
  - Type the word “jupyter” as the username.
  - Type the word “XXXXXXXXXXX” as the password
  - Press the “Sign in” button



- The below shown screen will open. Click on “File -> New ->Terminal”



- This is open the “terminal” tab as shown below.



10. On the terminal, create your account by executing the following command:

sudo useradd -m -s /bin/bash *userName*

**Do not use capitals for the userName*

```
jupyter@skytree:~$ sudo useradd -m -s /bin/bash udayrage
[sudo] password for jupyter:
```

11. Enter the sudo user password “XXXXXXXXXX”. Press Enter button.

12. Create the password for the newly created student account by typing the following command:

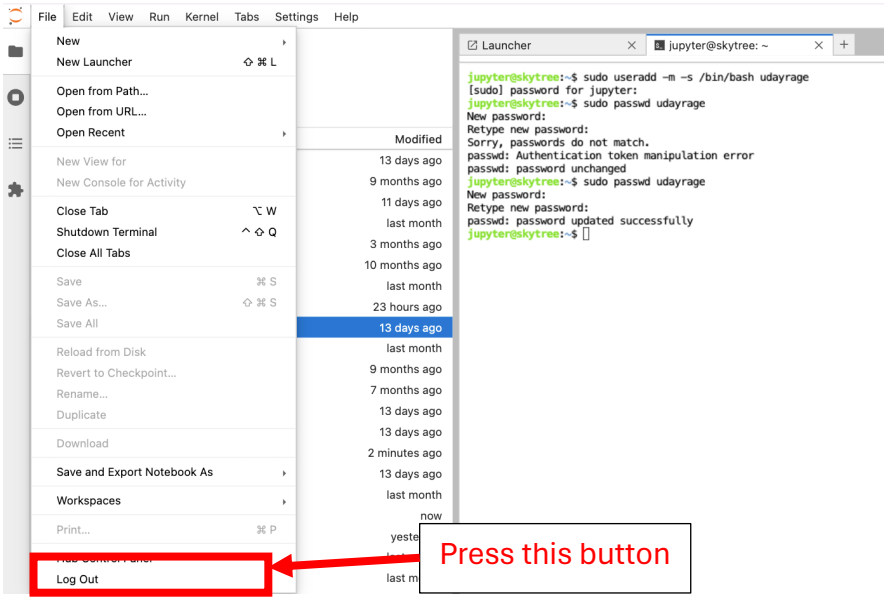
sudo passwd userName

```
jupyter@skytree:~$ sudo passwd udayrage
New password:
Retype new password:
```

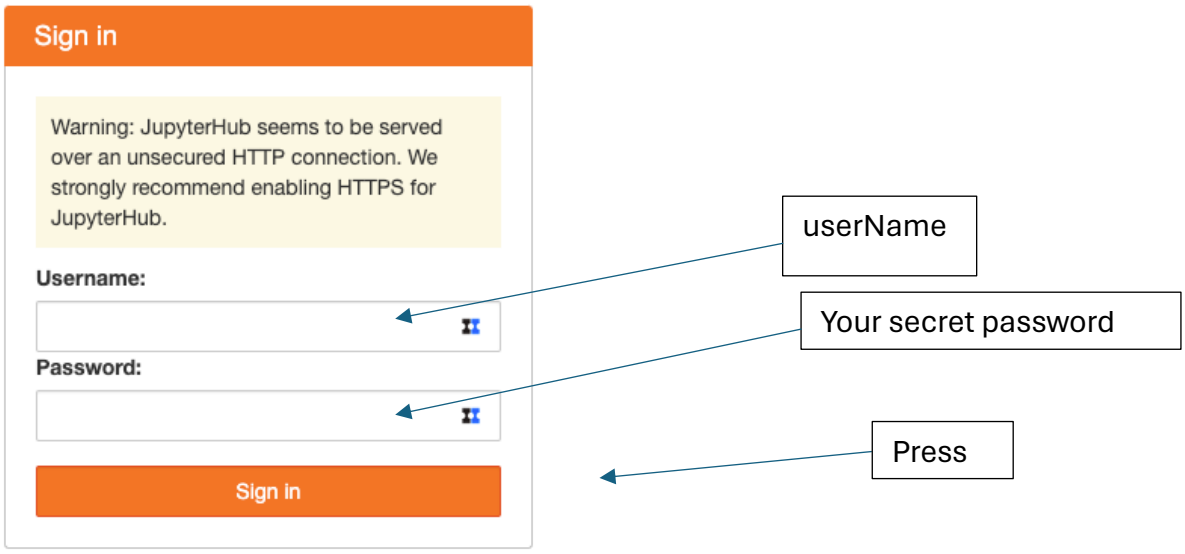
13. Type your own secret password for the “new password”. Retype the same secret password once again. You should see the following successful message:

```
jupyter@skytree:~$ sudo passwd udayrage
New password:
Retype new password:
passwd: password updated successfully
```

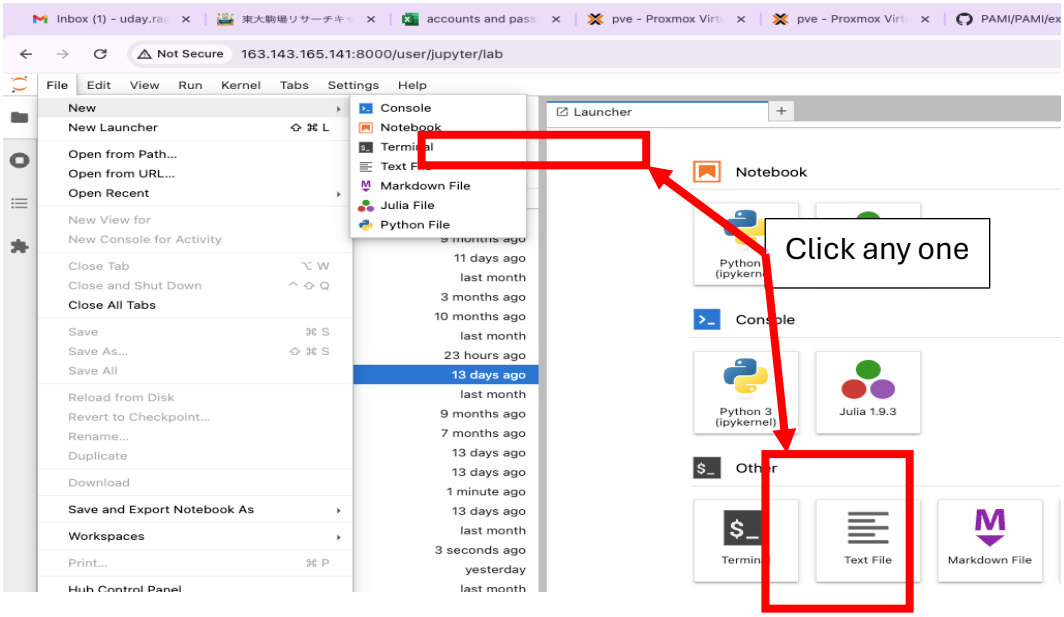
14. Logout from the sudo user account by pressing the “logout” button.



15. Login into the server by entering your newly created username and password



16. Open “Terminal”



17. Create an empty file by executing the following command

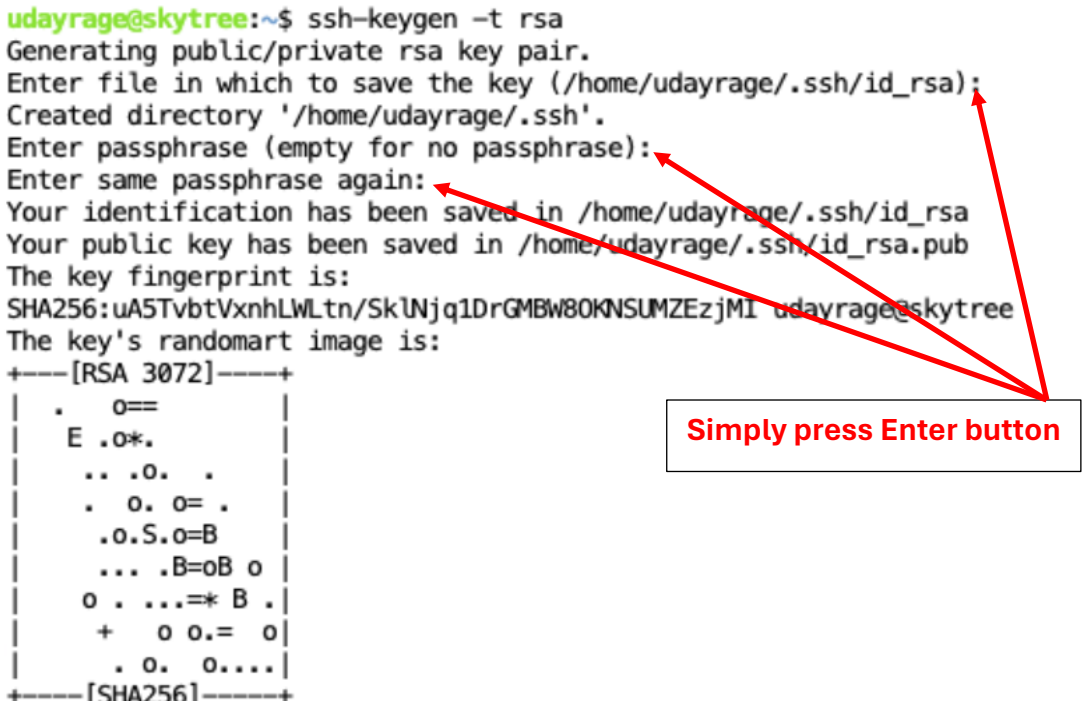
touch remoteFileInDataServer.txt

```
udayrage@skytree:~$ touch remoteFileInDataServer.txt
```

Task 4: On the Computing server

1. Create public and private keys by executing the following command

   ssh-keygen -t rsa

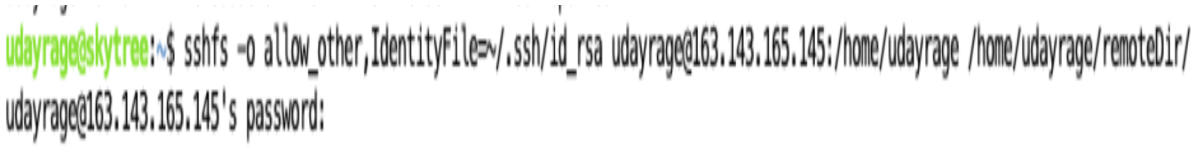


2. Execute the following command on the terminal

   sshfs -o allow_other,IdentityFile=~/.ssh/id_rsa
   username@163.143.165.145:/home/userName
   /home/userName/remoteDir/

   Example:

   sshfs -o allow_other,IdentityFile=~/.ssh/id_rsa
   udayrage@163.143.165.145:/home/udayrage /home/udayrage/remoteDir/



3. Enter into remoteDir directory
   cd remoteDir
4. Typing the command “ls” should show the file “remoteFileInDataServer.txt”. It means your remote server directory has been successfully mounted.
5. Please store all of your files in this remoteDir directory.