

First:

To create user

Go to admin user... create user using the following command.

Open terminal

Enter bash

Type this....

sudo useradd -m name or regno (after useradd give space)

Note: first it will ask for root password

sudo passwd name or regno

sudo usermod -aG sudo name or regno

after this log out and log in using your name or regno

Second: - DS Lab Instruction for first lab:

1. Login to student

2. Open Terminal and enter **bash**

3. Find the version of python

Python3 --version (work with python 3 (give space)...if not installed try to install))

4. To download latest version of python :

sudo apt-get install python3-pip (This will install pip - package installer for python)

5. To update

sudo apt-get update

6. To install pandas

pip3 install pandas

pip3 install numpy

Note: Check you have python3 or older version. If it is older version update it to python 3

7. To install matplotlib

sudo apt-get install python3-matplotlib

8. Execution - Use command:

In prompt type:

\$ gedit prog1.py

Type your code and save it. Then

\$ python3 prog1.py and check your output