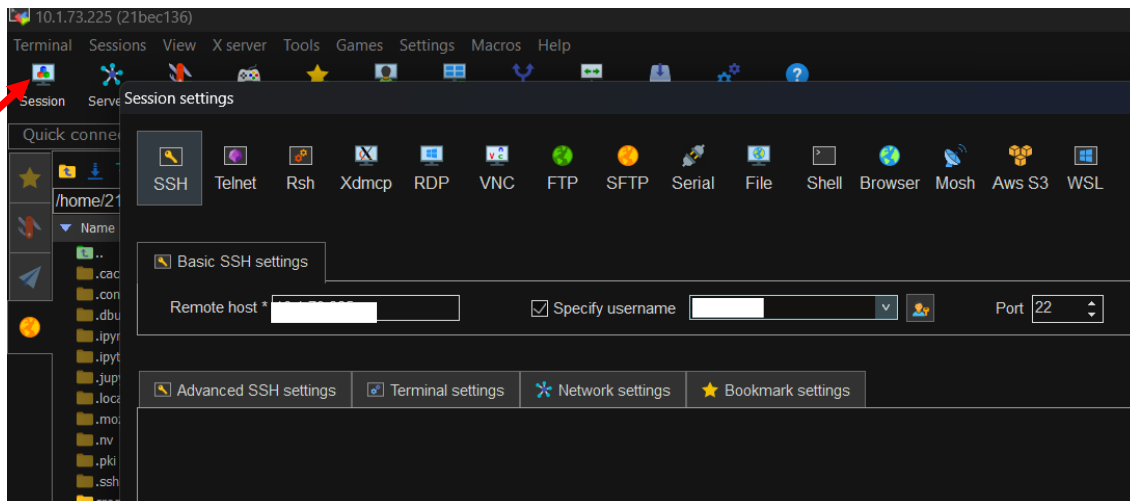


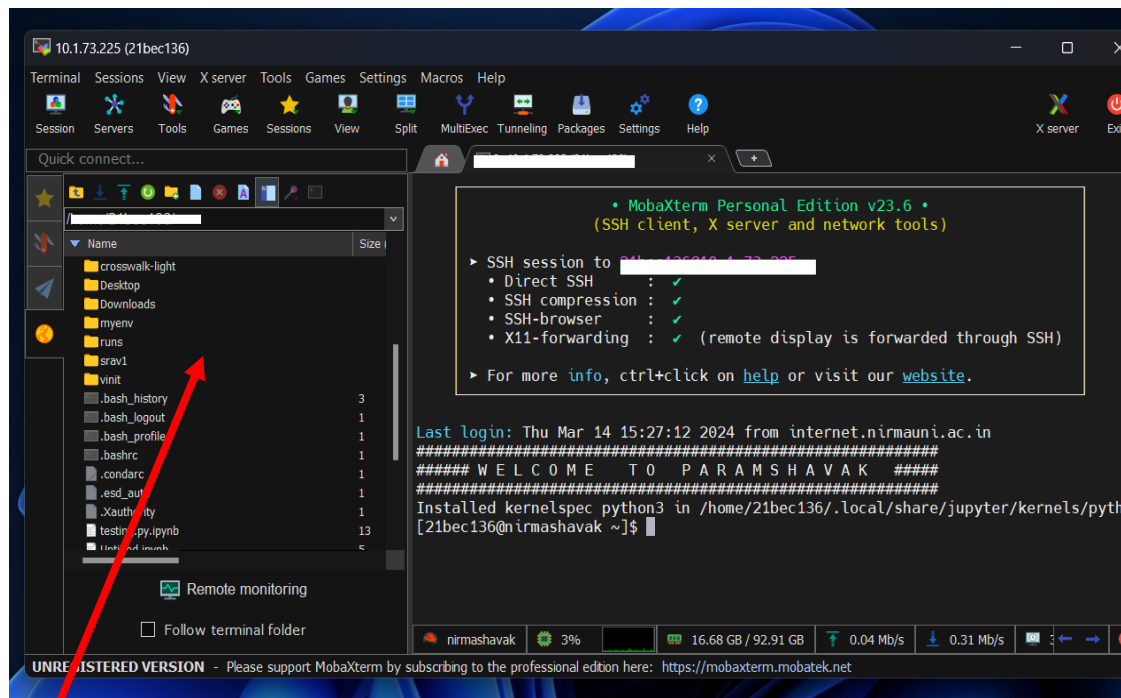
## *Deep Learning using Param Shavak;*

**STEP0:** connect to nirma vpn and open mobaxterm connect to ssh by IP:



Click on  
session


**STEP1:** So if you want to upload your dataset to the server you just need to drag and drop here is th eg. :



Drag Your dataset Folder  
From your Laptop

**STEP2:** After this uploading type “ python3.8 ”

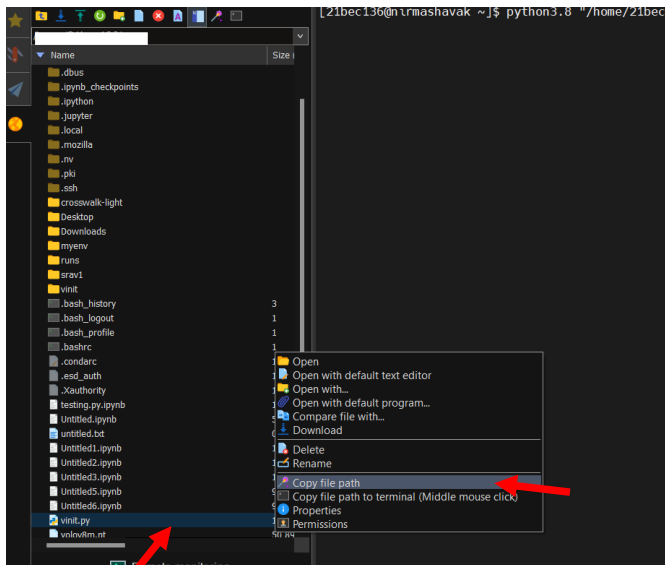
```
Installed kernelspec python3 in /home/21bec136/.local/share/jupyter/kernels/python3
p[21bec136@nirmashavak ~]$ python3.8
Python 3.8.12 (default, Dec  2 2021, 12:03:26)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-44)] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> 
```



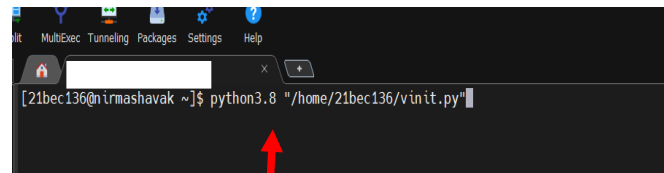
**STEP3:** Start typing your script here

```
Type "help", "copyright", "credits" or "license" for more information.
>>> import ultralytics
>>> from ultralytics import YOLO
>>> 
```

**Step4 (Optional)** : If you have a large script then first write in your ide and save the file as .py then execute it here



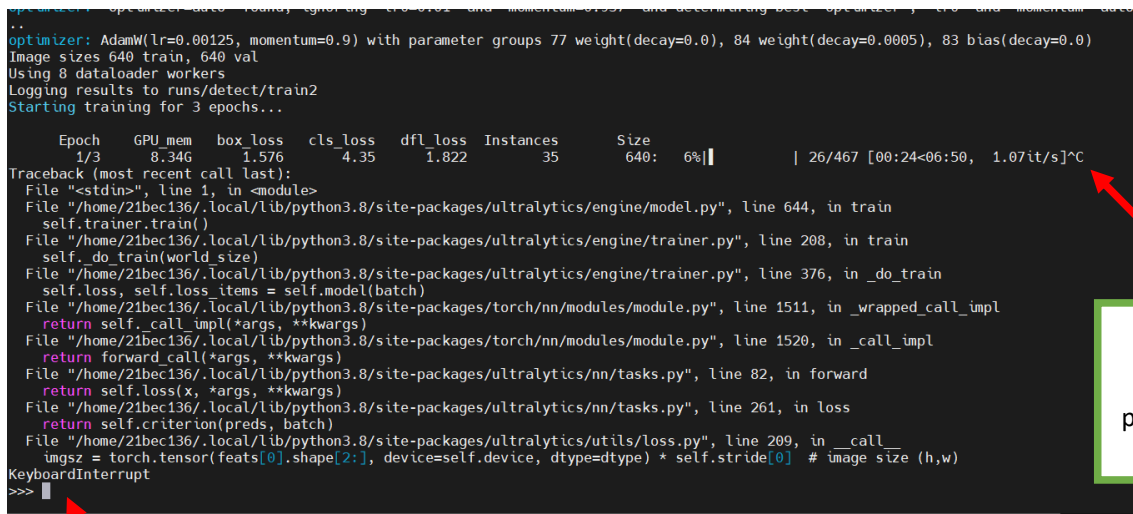
Copy python path



Write python3.8 and paste your path

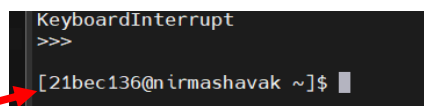
**Step5** : If your .py file is running and you want to interrupt it then press **ctrl+c** please don't directly press **ctrl+d**/ **ctrl+z** otherwise the process would keep running in background and next time you will be short of memory in GPU .

If you want to go to bash from python terminal then press **ctrl+d** (always press ctrl + c before it)



Ctrl+c to terminate python process

Ctrl+d to go to bash



## YOLO →

Install ultralytics by `pip install ultralytics`

Train your model :

# training →

```
import ultralytics
```

```
from ultralytics import YOLO
```

```
model=YOLO("yolov8m.pt")
```

```
model.train(data="path/to/your/yaml file",epochs = 100)
```

Note: all your weights (last.pt & best.pt )would be saved in runs folder (automatically created)

#to resume your training →


```
import ultralytics
```

```
from ultralytics import YOLO
```

```
model=YOLO("path/to/your/last.pt")
```

```
model.train(resume=True)
```

To know more about ultralytics YOLO:

Press here → 

For Dataset in YOLO format:

Visit roboflow → 