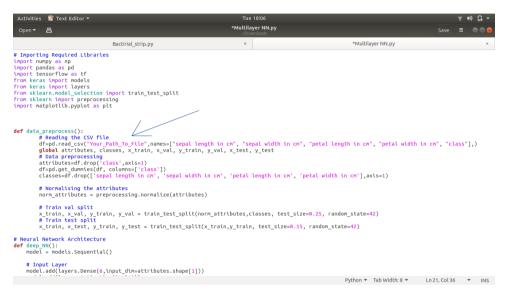
INSTRUCTIONS TO RUN THE CODE:

- Q.2:- Design a basic multi-layer neural network to identify the type of iris plant from the iris dataset.
- 1. Find the iris_data.csv file and copy its path
- 2. Open Multilayer NN.py file and paste the path in there df=pd.read_csv("Your_Path_To_File")



example :- consider file is present in downloads then
df=pd.read_csv("/home/downloads/iris_data.csv")

- 3. Open the terminal navigate to location where python code is present
- 4. Type :- python Multilayer NN.py, and then press enter to run the code

you can see the model is training and test accuracy is displayed

```
95/95 [========] - 0s 87us/step - loss: 0.0376 - acc: 0.9895 - val_loss: 0.0367 - val_acc: 0.9474

Epoch 246/250
95/95 [=======] - 0s 123us/step - loss: 0.0368 - acc: 0.9895 - val_loss: 0.0364 - val_acc: 0.9474

Epoch 247/250
95/95 [========] - 0s 166us/step - loss: 0.0365 - acc: 0.9895 - val_loss: 0.0360 - val_acc: 0.9474

Epoch 248/250
95/95 [========] - 0s 146us/step - loss: 0.0362 - acc: 0.9895 - val_loss: 0.0356 - val_acc: 0.9474

Epoch 249/250
95/95 [==========] - 0s 149us/step - loss: 0.0359 - acc: 0.9895 - val_loss: 0.0355 - val_acc: 0.9474

Epoch 250/250
95/95 [============] - 0s 167us/step - loss: 0.0357 - acc: 0.9895 - val_loss: 0.0354 - val_acc: 0.9474

Epoch 250/250
95/95 [===============] - 0s 167us/step - loss: 0.0357 - acc: 0.9895 - val_loss: 0.0354 - val_acc: 0.9474

17/17 [===================] - 0s 199us/step

Test accuracy = 94.11764740943909

(tensorflow) abhi@abhizz-new-era:~/Downloads$ []
```

5. To open Tensorboard

Type:- tensorboard —logdir=logs/ and open the link displayed to visualise the graps on tensorboard