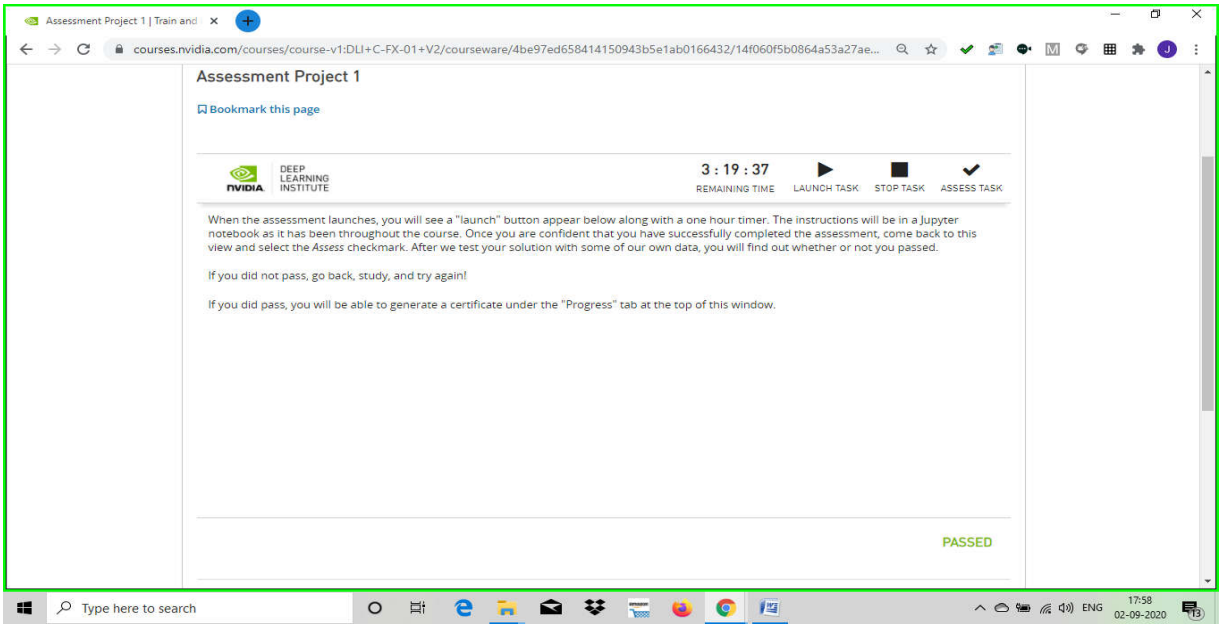
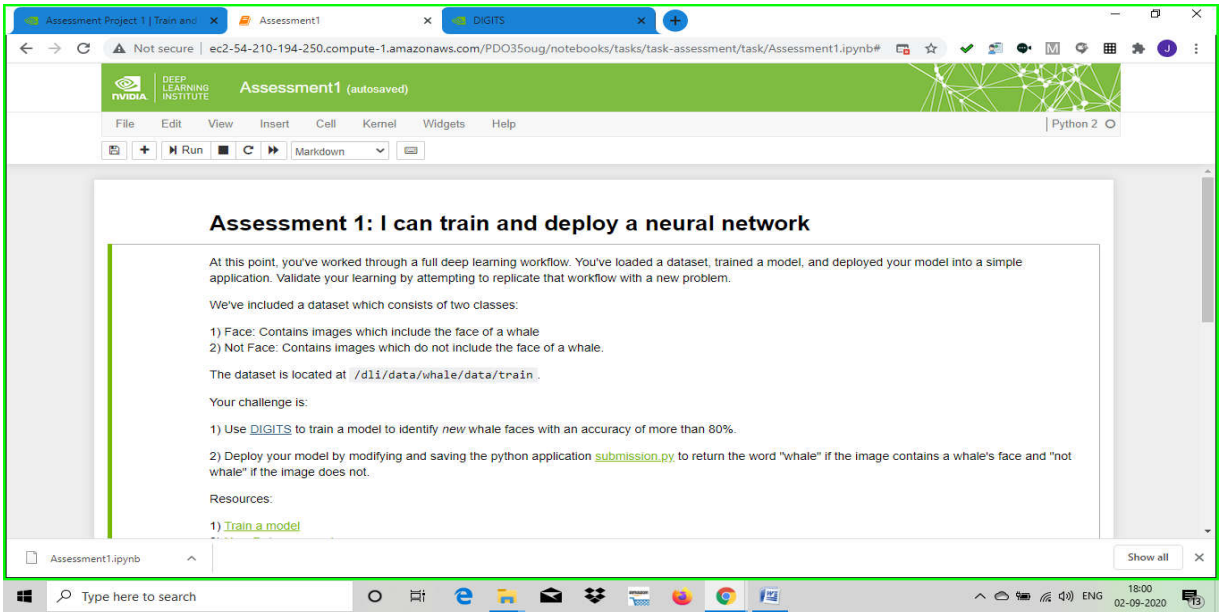
1. login to your nvidia acount

2. goto courses tab and click assesment project



3. start by clicking start button (once the application starts it will begin timer and other things like launch task stop task and asses task)

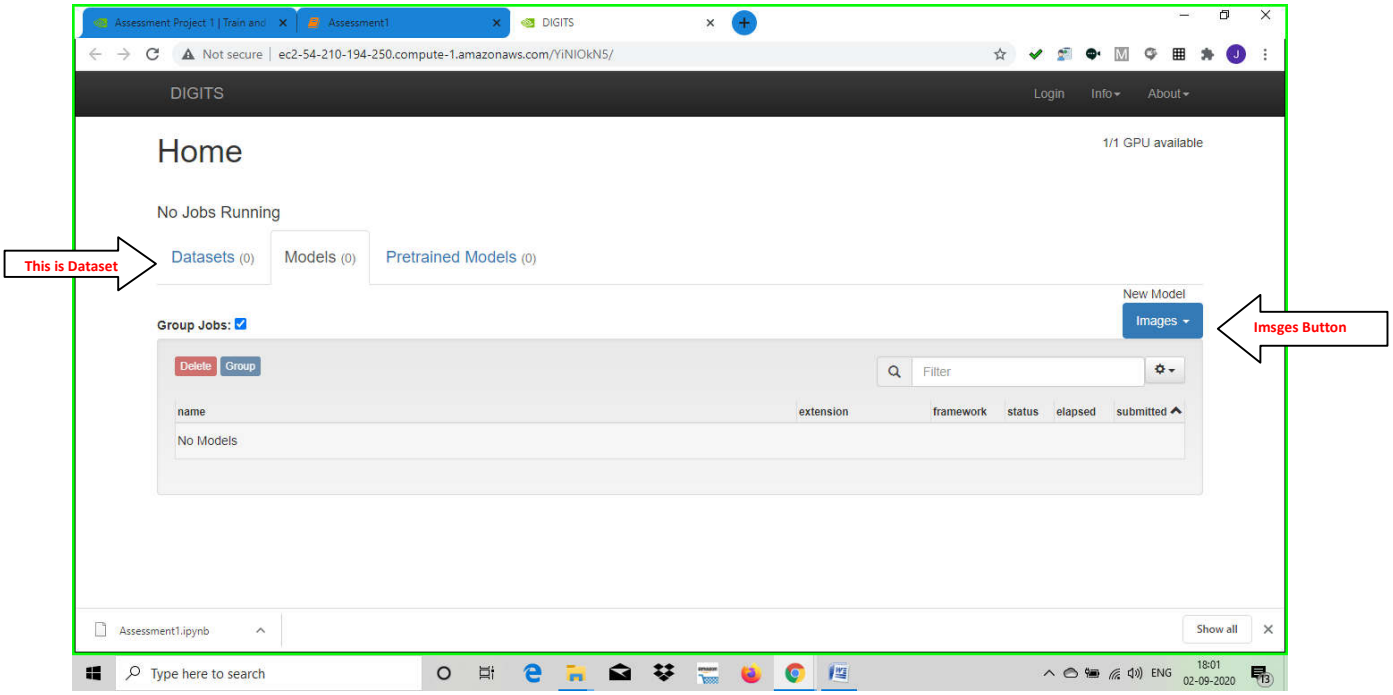
4. click on launch task



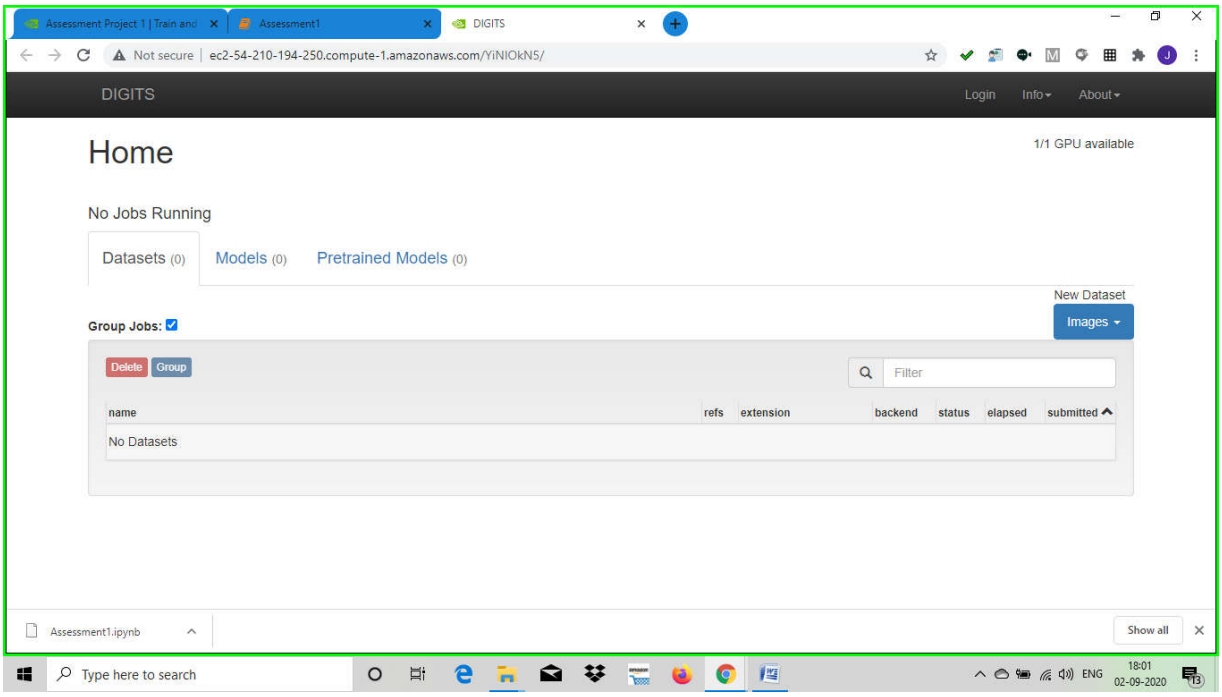
5. it will open assesment (in jupiter)

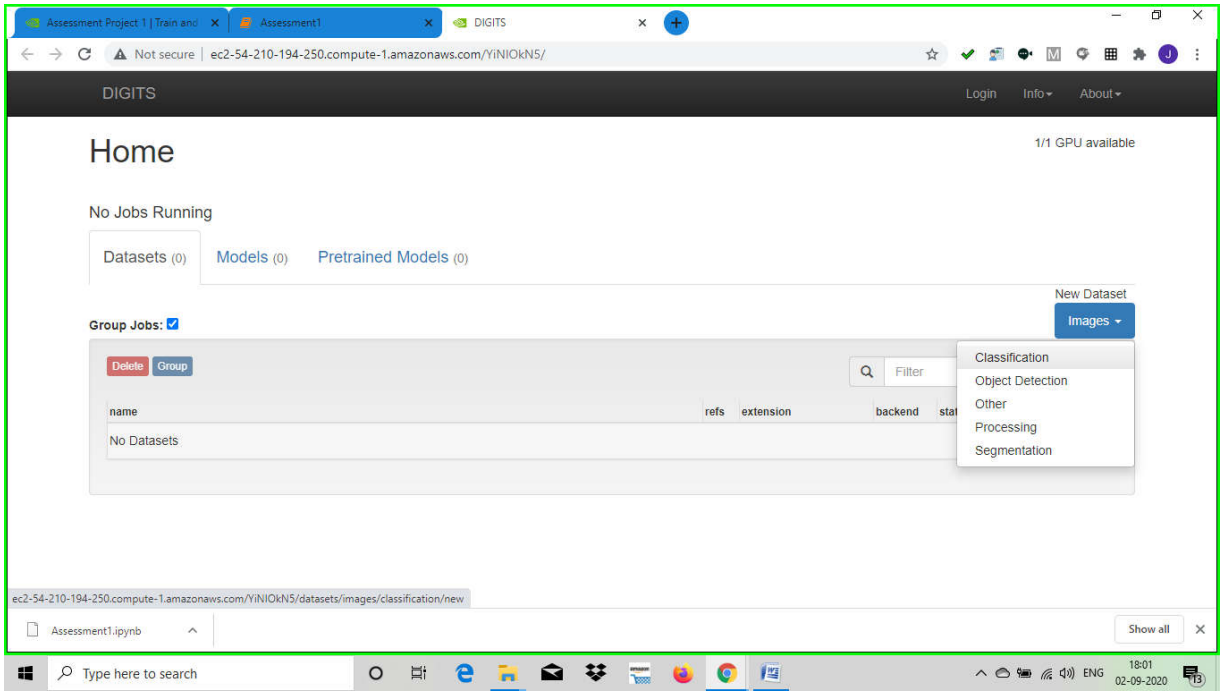
in that you will find DIGIT and submission.py

open DIGIT



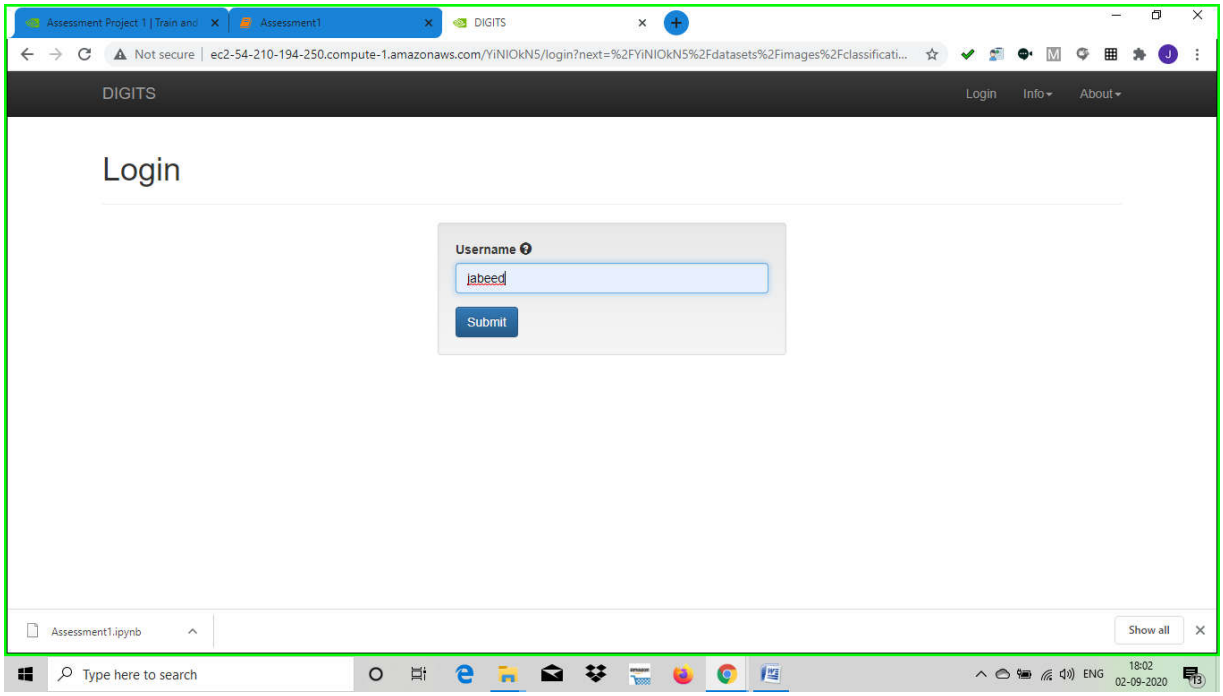
6. click on dataset tab



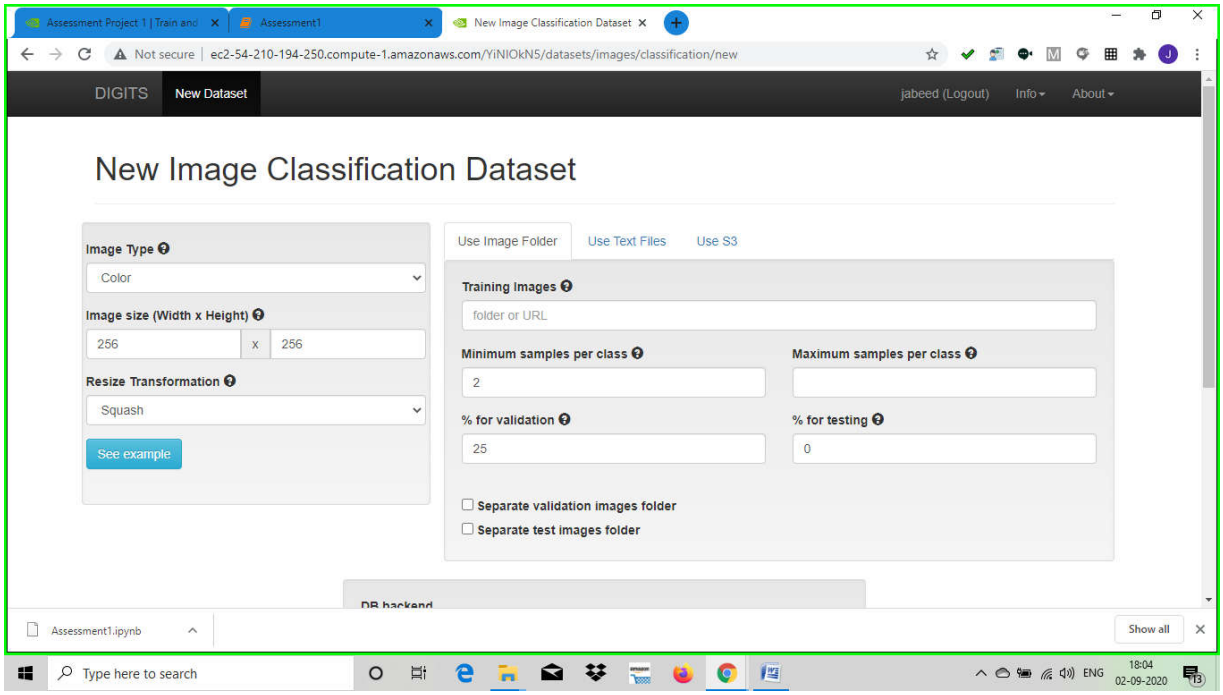


7. click new dataset images button(blue color) and select classification

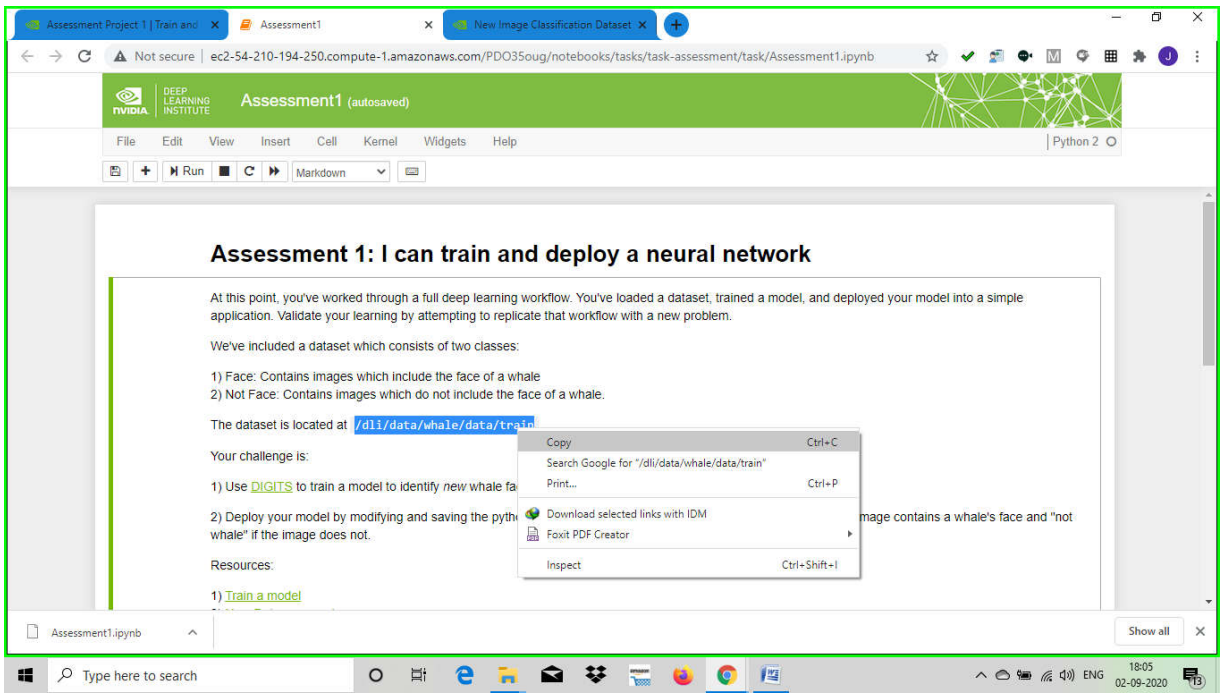
give any user name(ex: Jabeed)



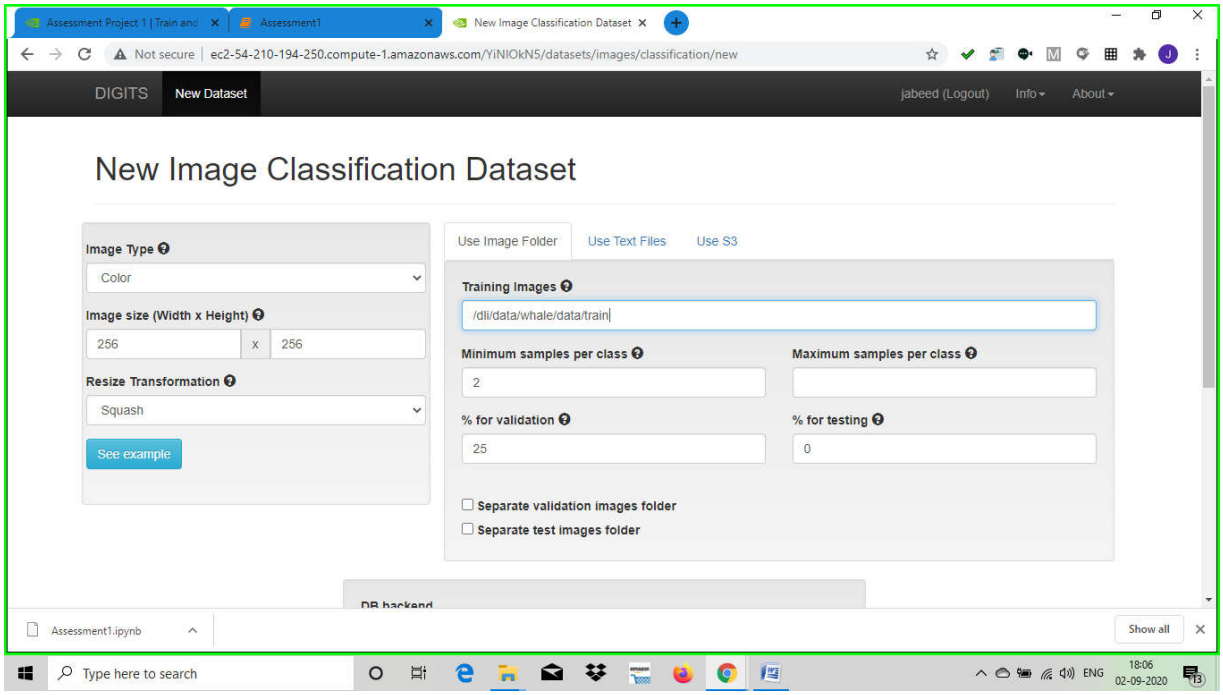
8. click on Submit button



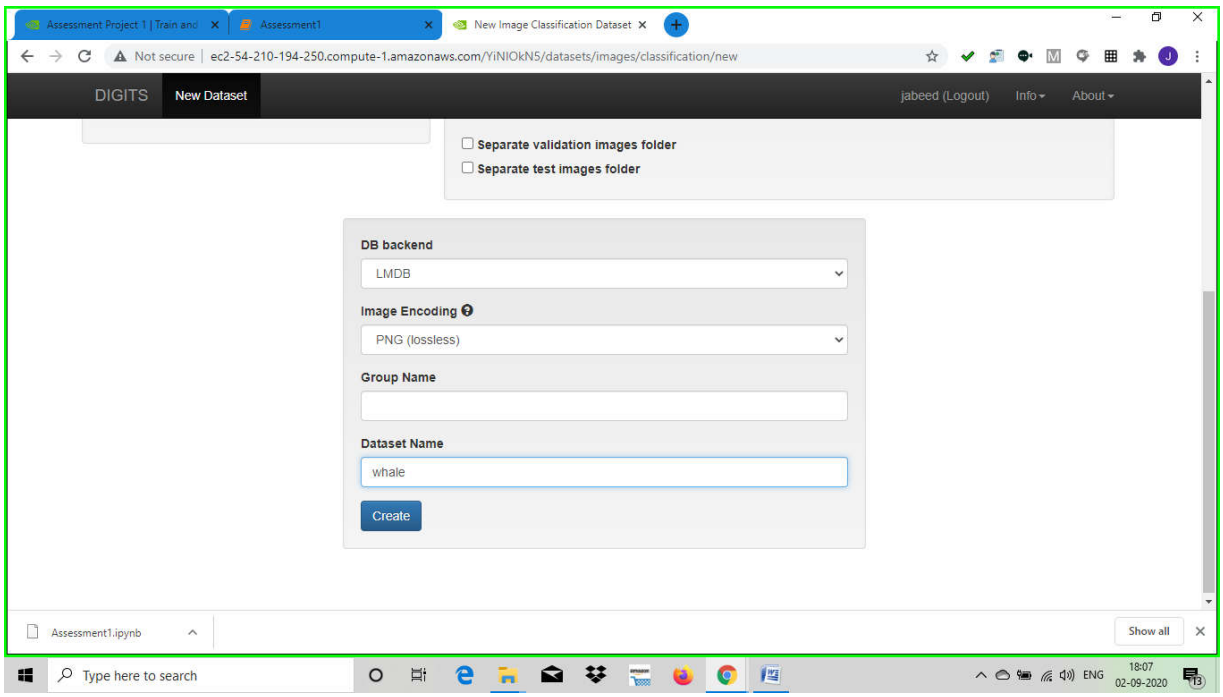
9. When this is opened



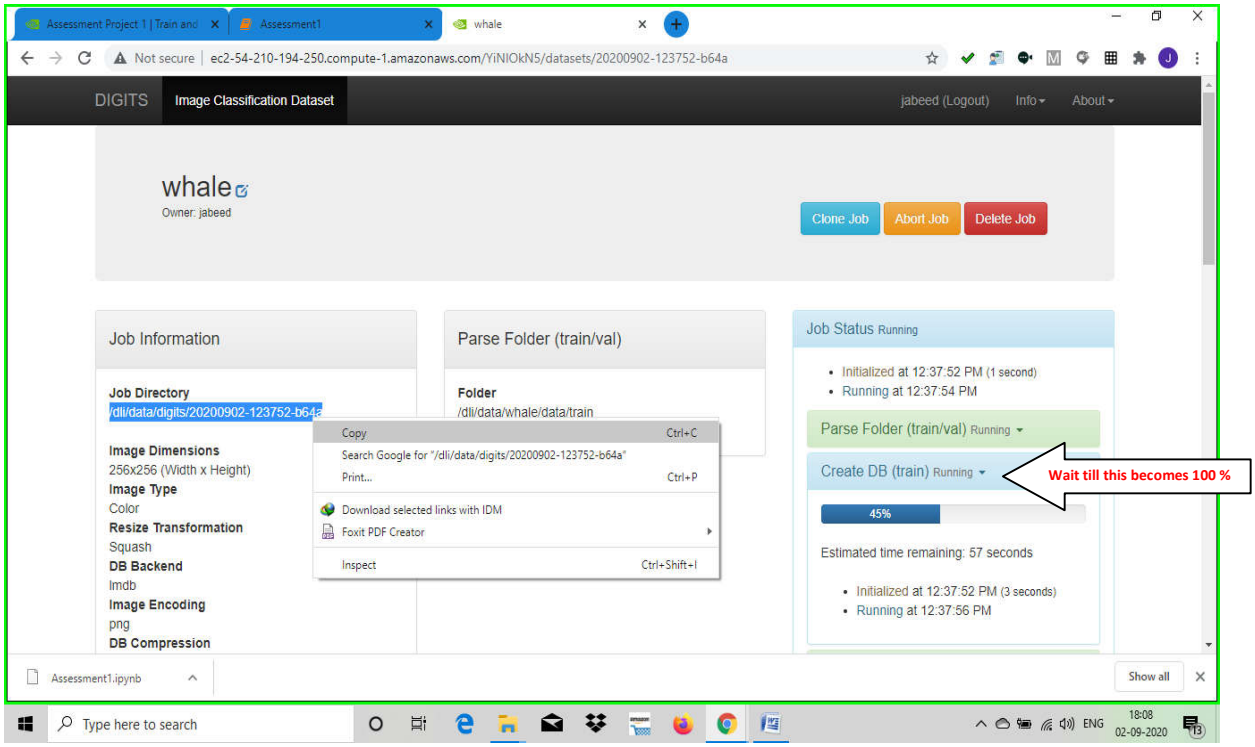
10. Goto Assessment Tab(window) and Copy the above text



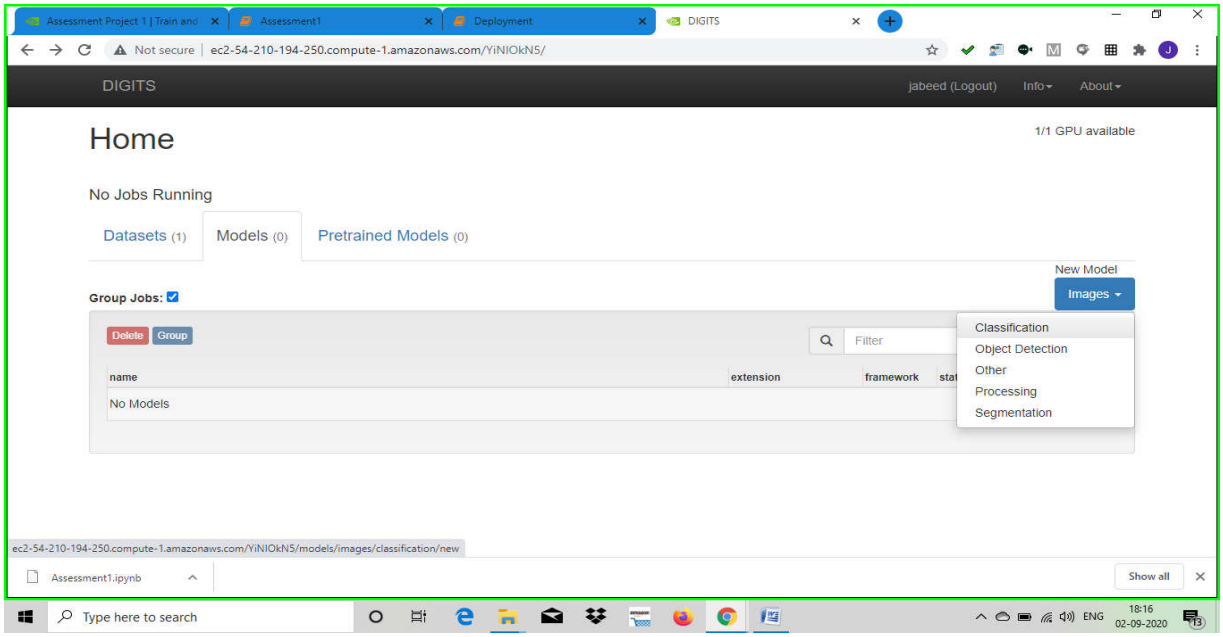
11. Come back to Digit tab and paste the above link in Training Images path



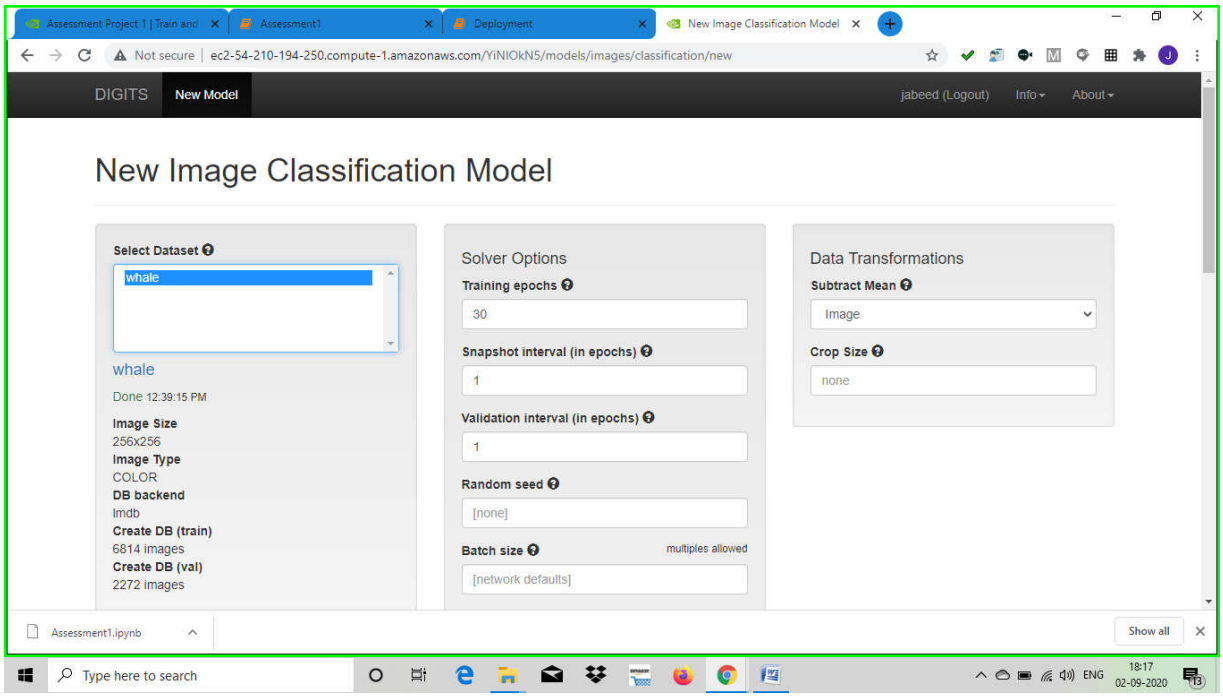
12. Scroll to bottom of the same page (of step 11) and give Dataset name as whale and click on Create.



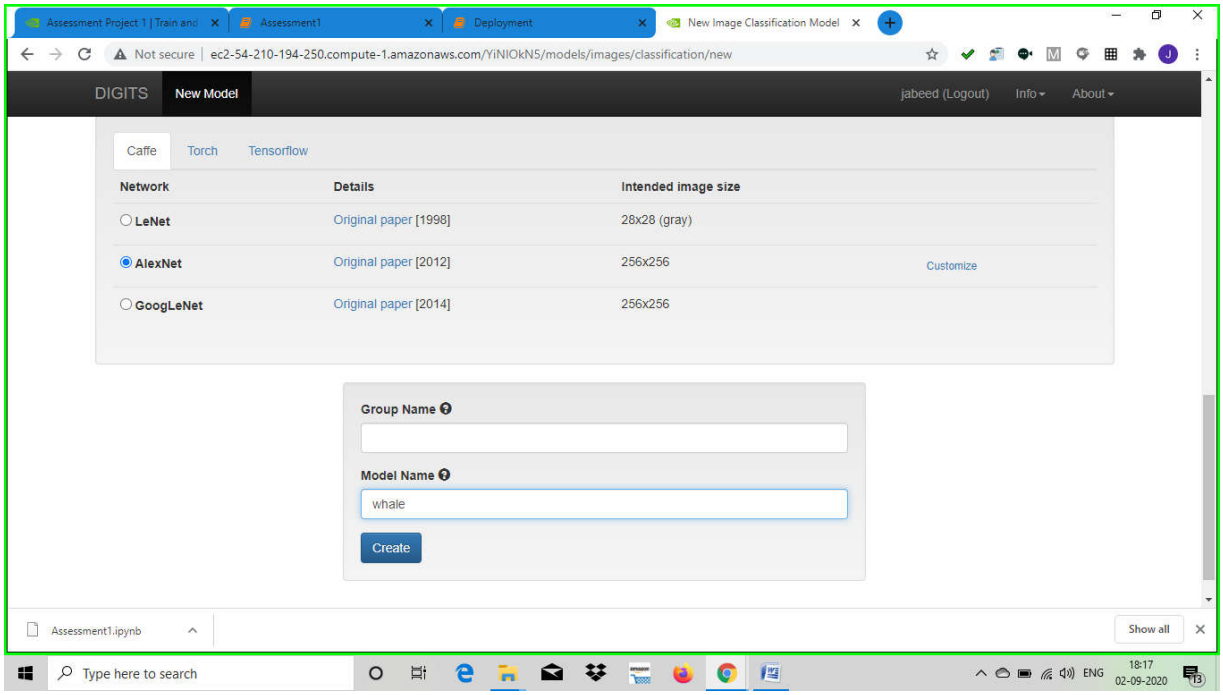
13. Wait till 100% (in the Meanwhile Open Notepad and paste this Dataset Job Dir: /dli/data/digits/20200902-123752-b64a shown as below which we need in submission.py)



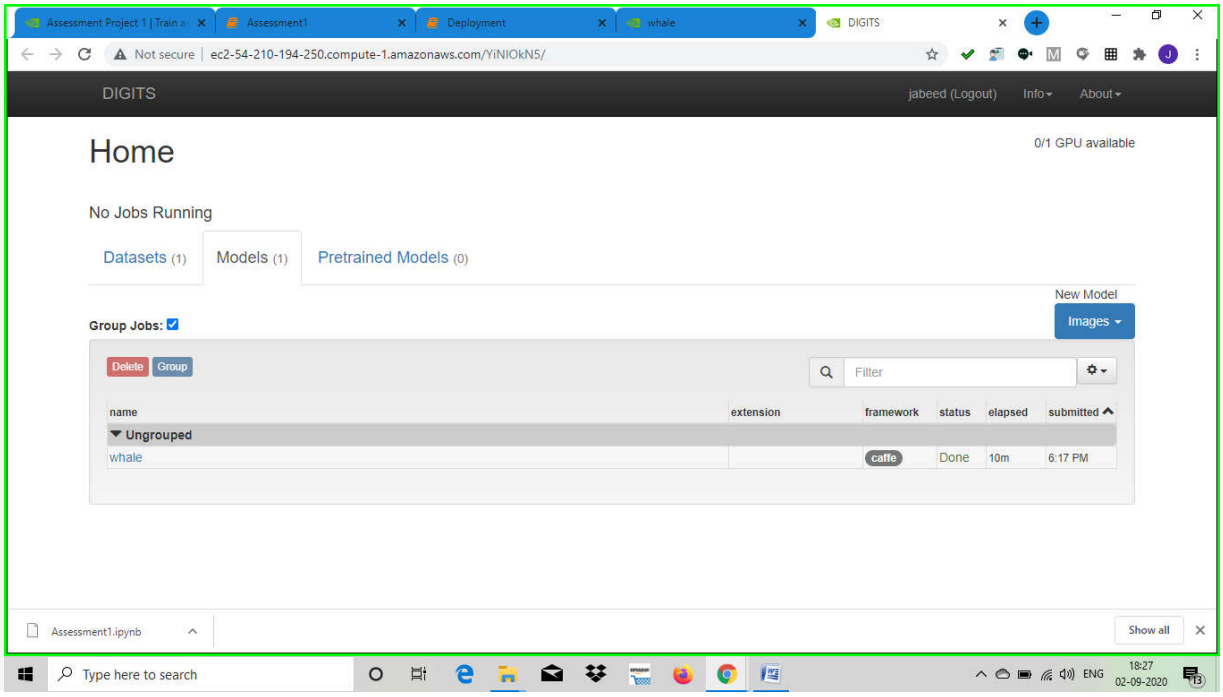
14. Now again open DIGITS(ensure your Dataset is having one dataset whale in that) and select Models tab and create new classification as shown above.



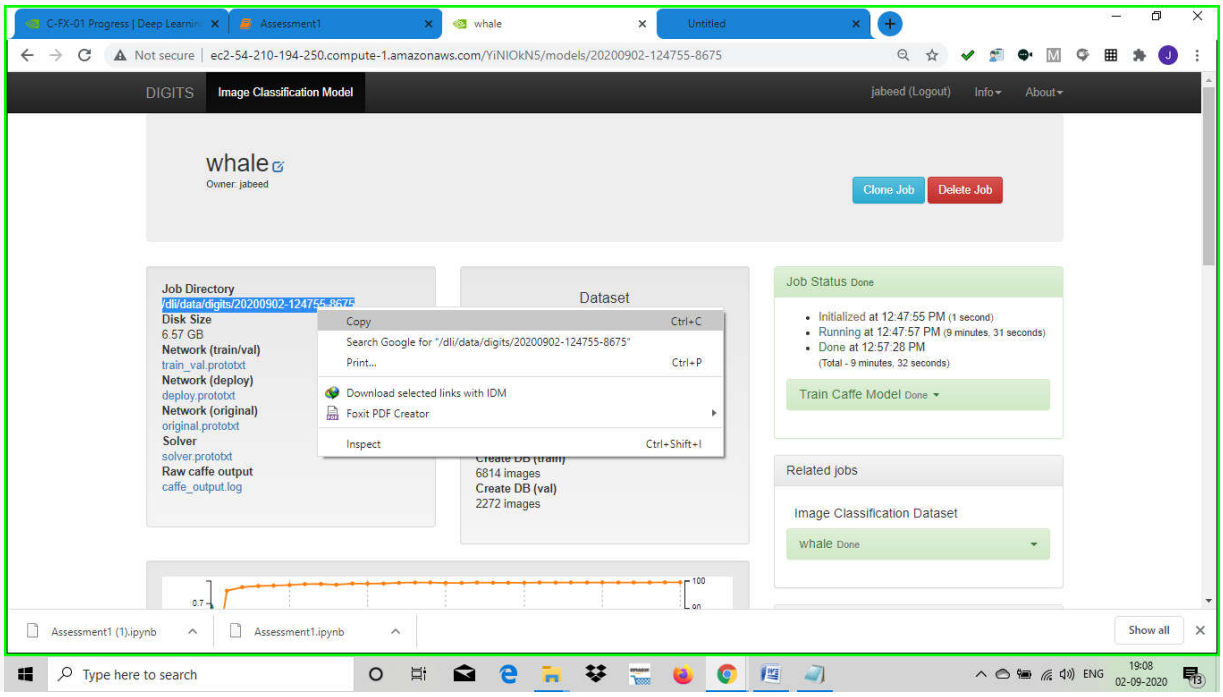
15. Select dataset whale and don't change any default values.



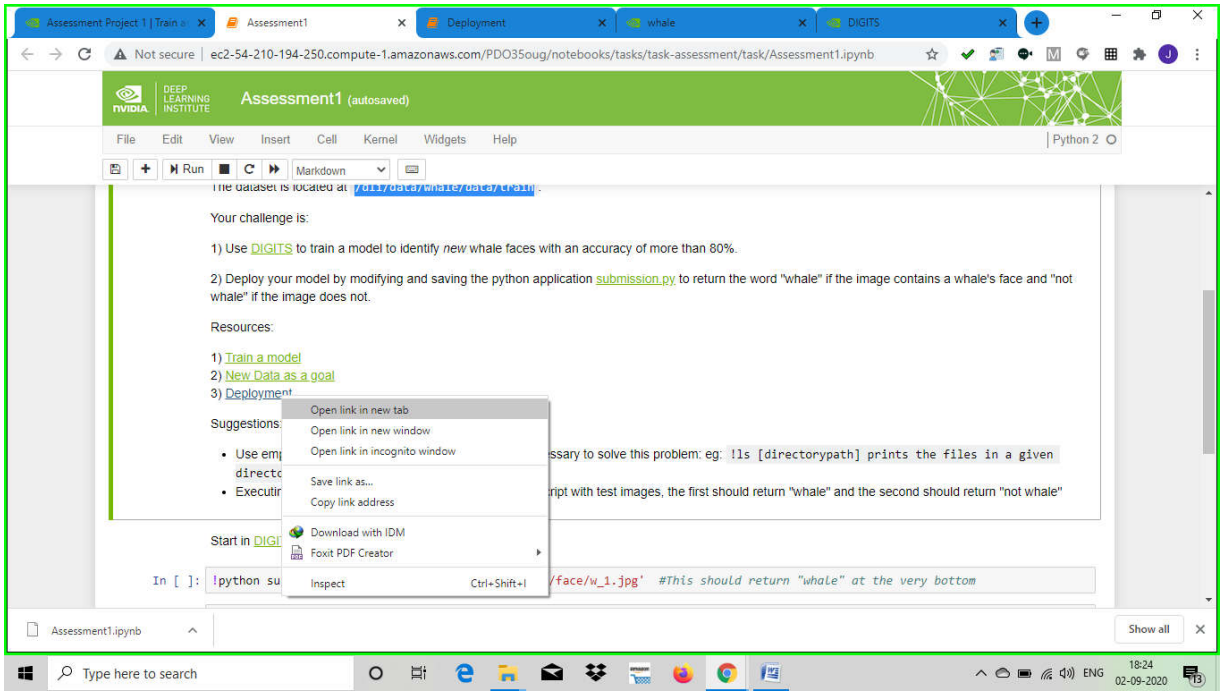
16. Scroll to bottom of (step 15) select AlexNet and give model name whale and click on Create button as shown above.



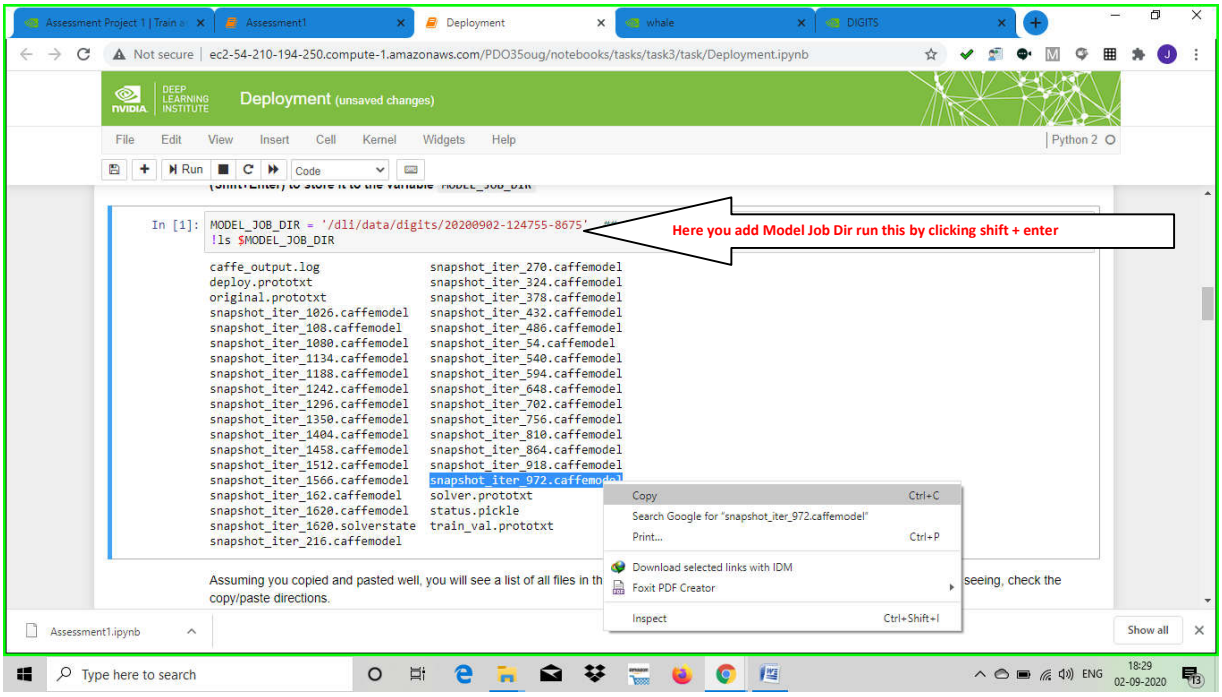
17. If can't see progress in the same page open digits in another tab or another window of Browser Wait till Model Creation



18. Wait till 100% (in the Meanwhile Open Notepad and paste this Model Job Dir: /dli/data/digits/20200902-124755-8675 shown as below which we need in submission.py)



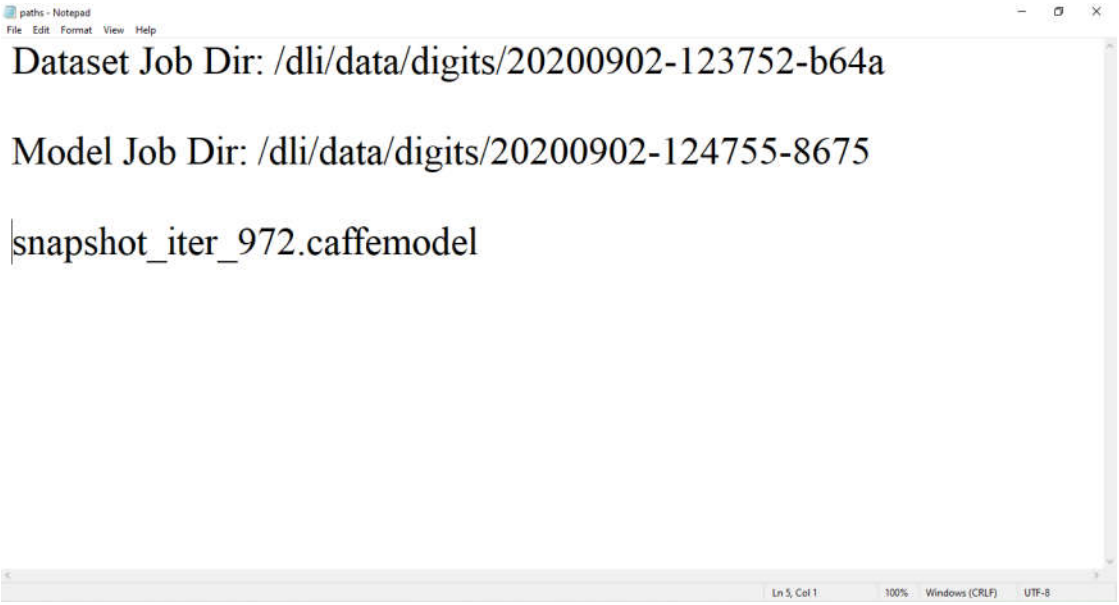
19. After model creation open Deployment as shown above.

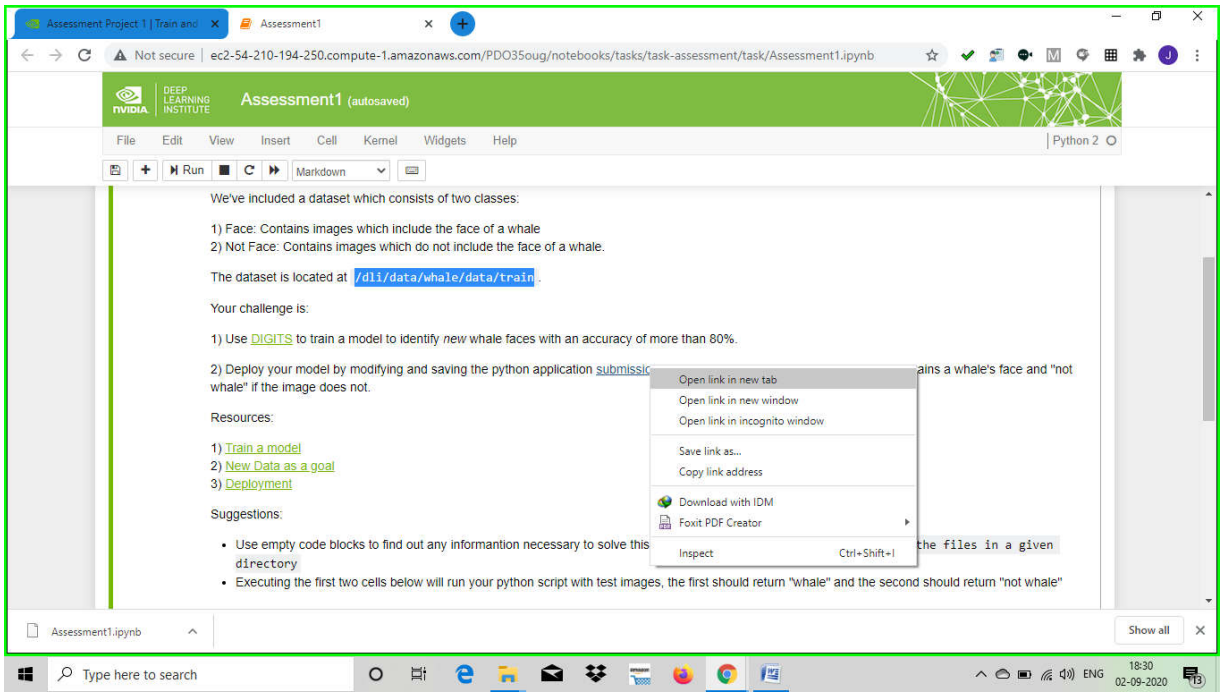


20. Add the copied Job directory in the Jupiter editor as shown above and run it

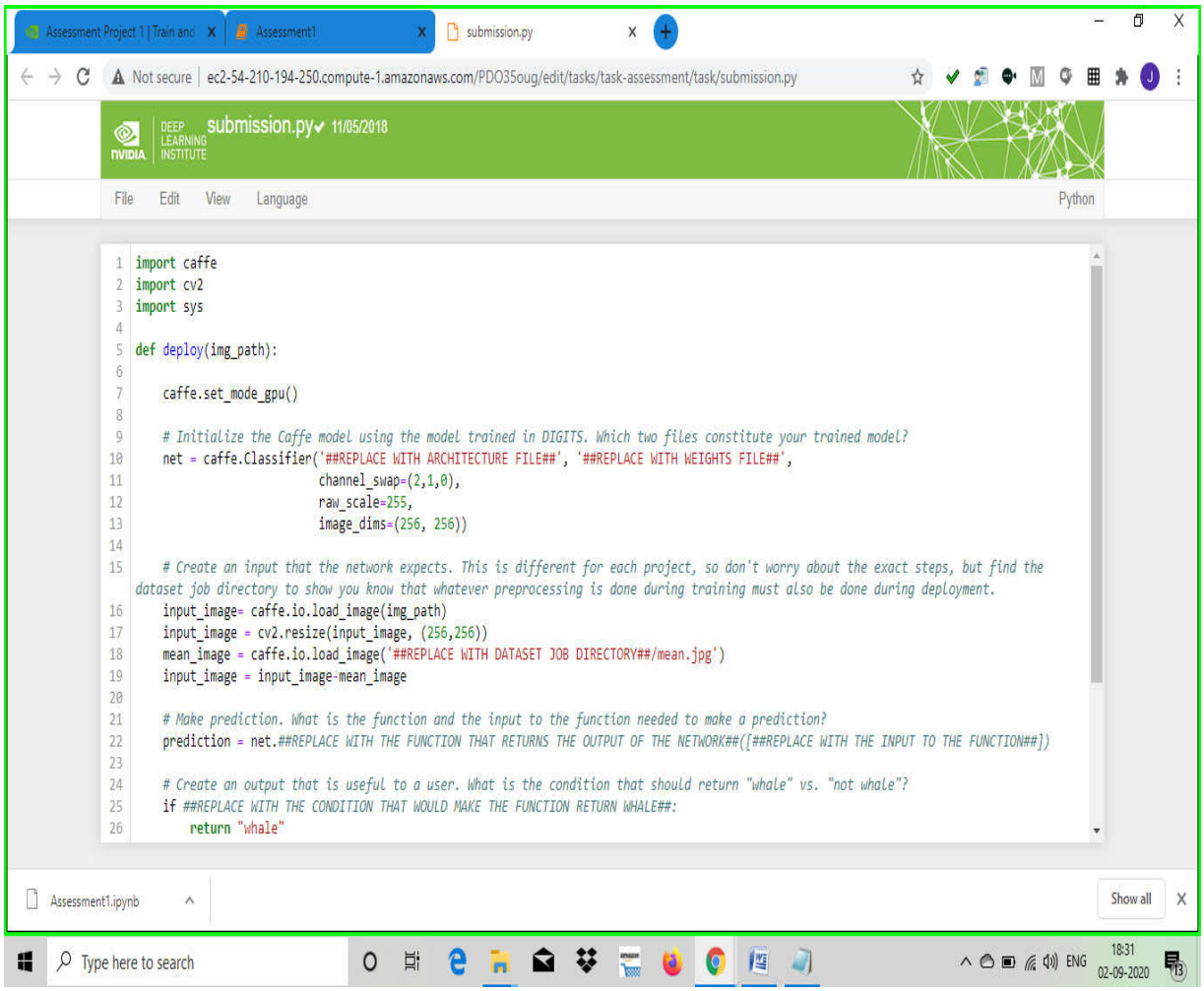
After getting the above screen copy the last instance of snapshot in this case it is snapshot_iter_972.caffemodel

21. And paste the same in the previously open Notepad





22. Now come to Assessment 1 window and click like above submission.py in new tab



23. In the above file there are ***5 changes(this is default file if you wish you can even use submission.py file from the parent folder also in such case perfrom 1st and 3rd change only[just 2 changes at the required line in this file])***

1st change :

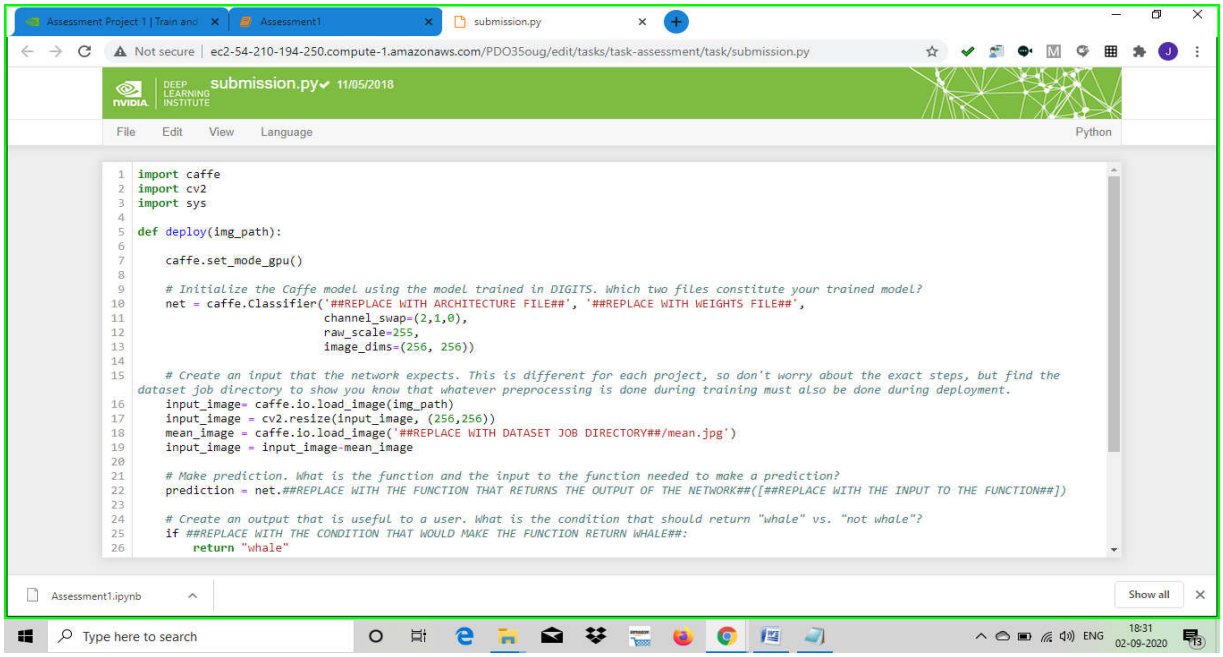
add these lines of code after 7th line(caffe.set_mode_gpu() add the following

#the line below this has to be corrected with your code at this instance of time when I was creating Model job dir is /dli/data/digits/20200902-124755-8675' and snapshot_iter from NOTEPAD file

MODEL_JOB_DIR='/dli/data/digits/20200902-124755-8675'

ARCH = MODEL_JOB_DIR + '/' + 'deploy.prototxt'

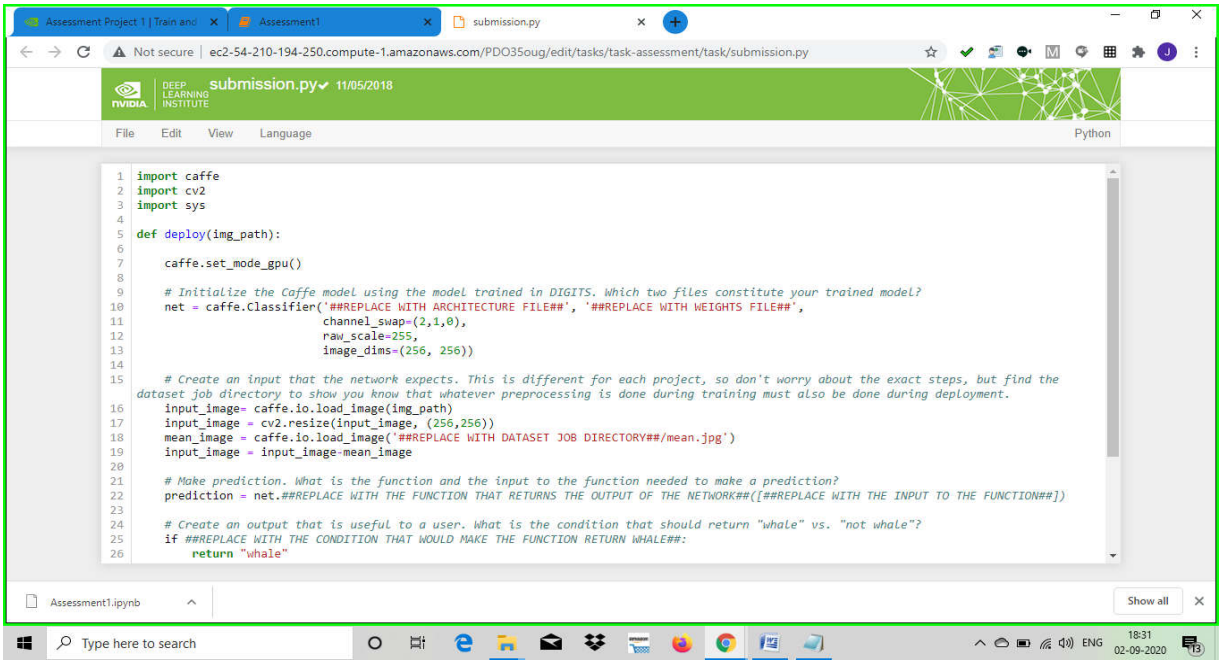
WEIGHTS = MODEL_JOB_DIR + '/' + 'snapshot_iter_972.caffemodel'



2nd Change:

In the above file at line no: 10 replace it with this code

net = caffe.Classifier(ARCH, WEIGHTS,

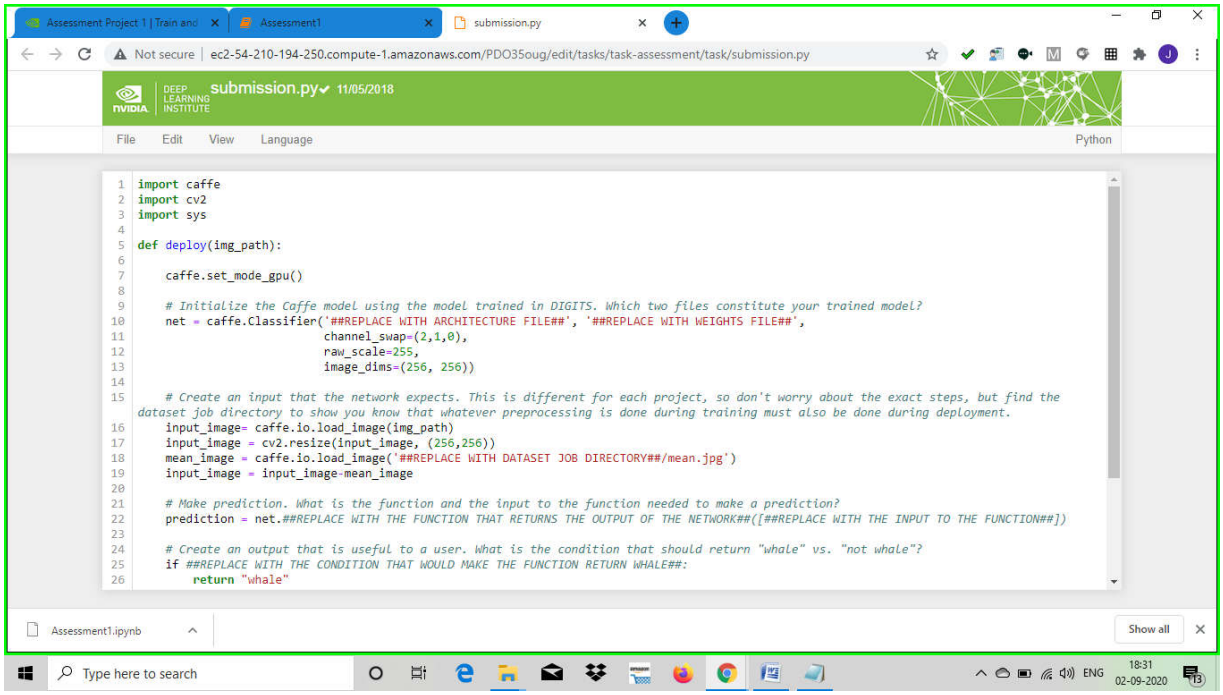


3rd Change:

In the above file at line no 18 add this

#the line below this has to be corrected with your code at this instance of time when I was creating Dataset job dir is /dli/data/digits/20200902-123752-b64a

mean_image = caffe.io.load_image('/dli/data/digits/20200902-123752-b64a/mean.jpg')

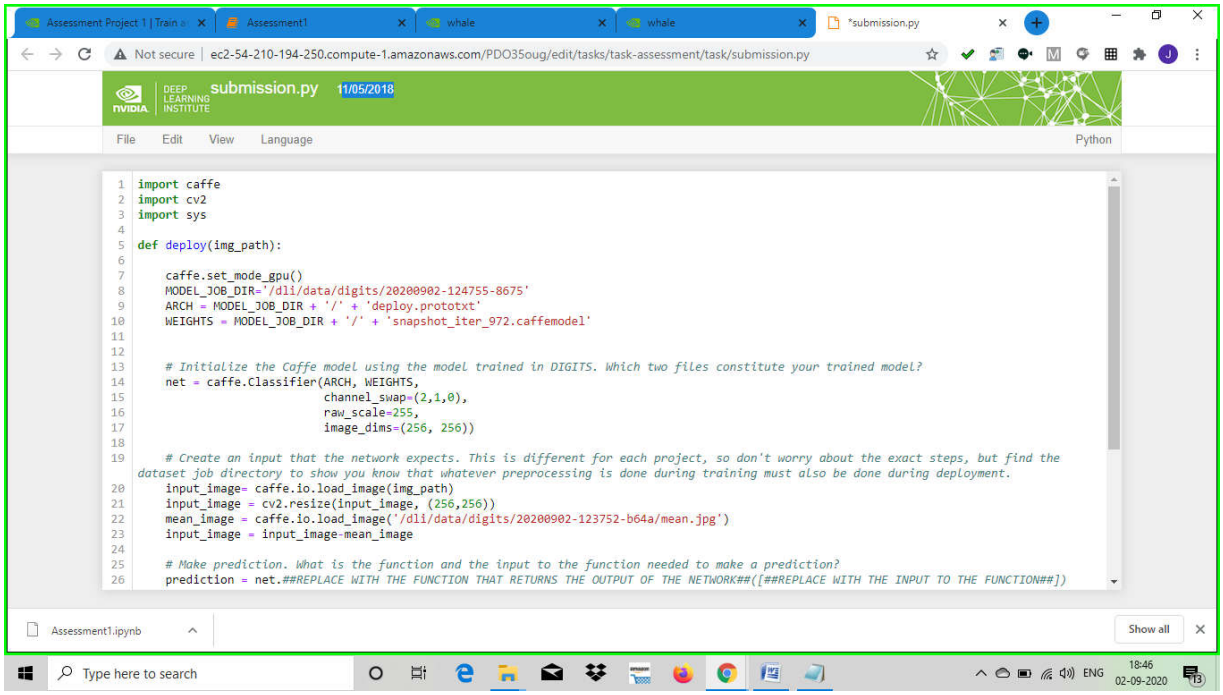


4th Change:

In the above at line no 22 add this

Make prediction. What is the function and the input to the function needed to make a prediction?

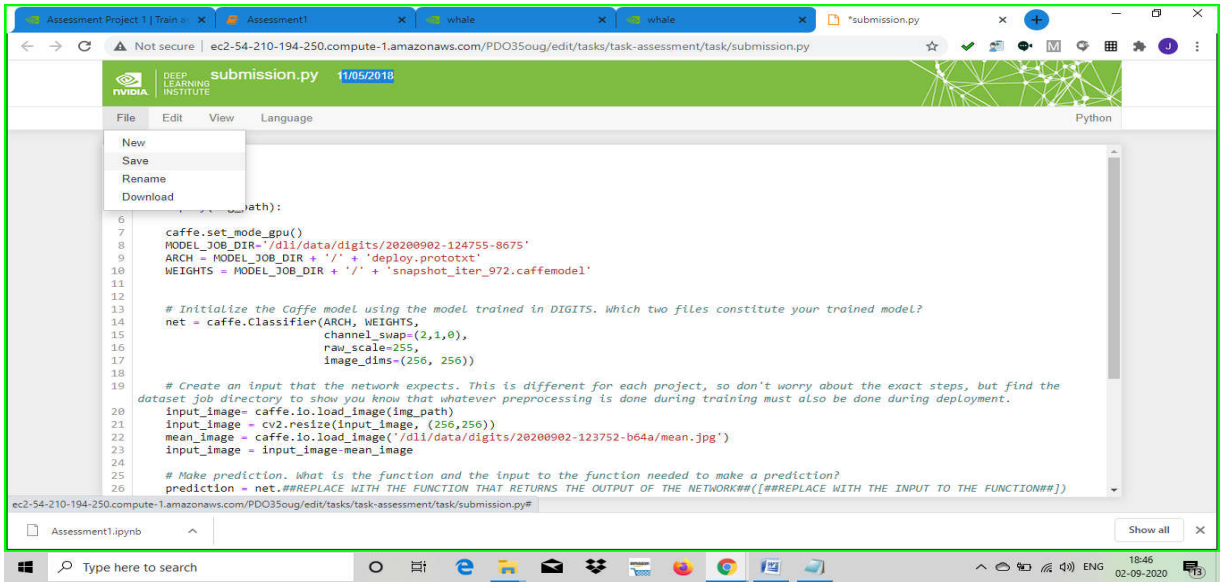
prediction = net.predict([input_image])



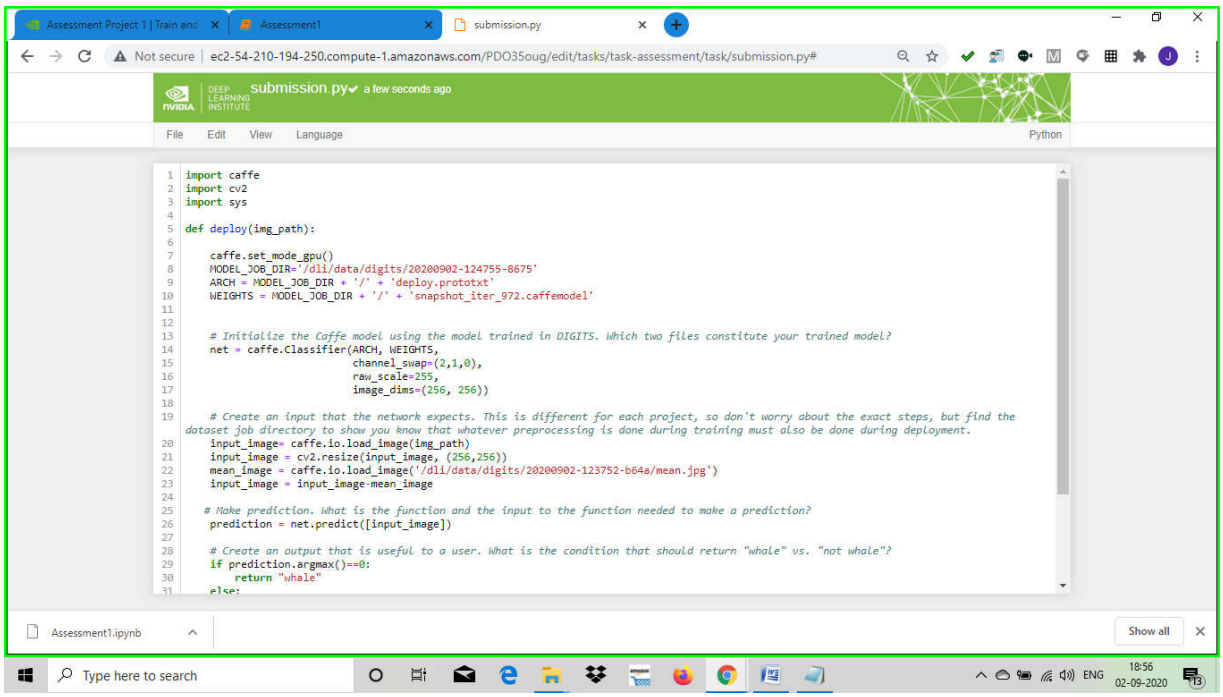
5th Change:

In the above at line no At line no 25

if prediction.argmax()==0:



24. Till here date was 11/05/2018 once when we save we get the below one



25. All five (5) changes are shown in the above image

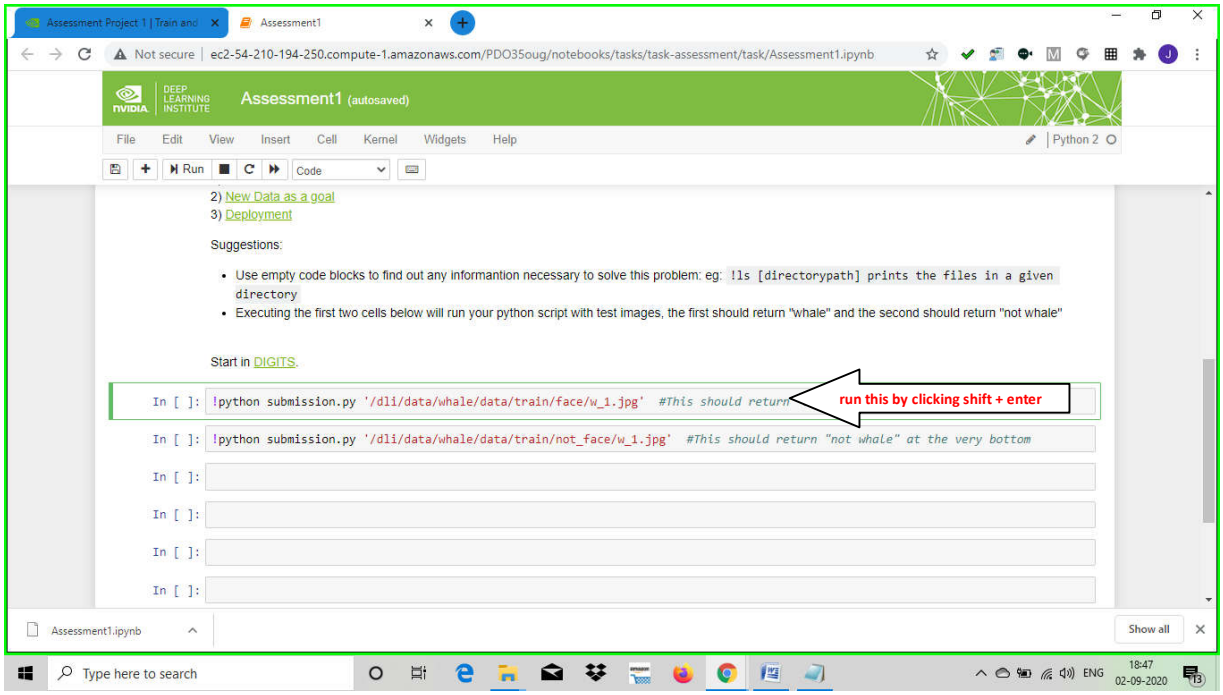
1st change at line no 7 to 10

2nd change at line no 14

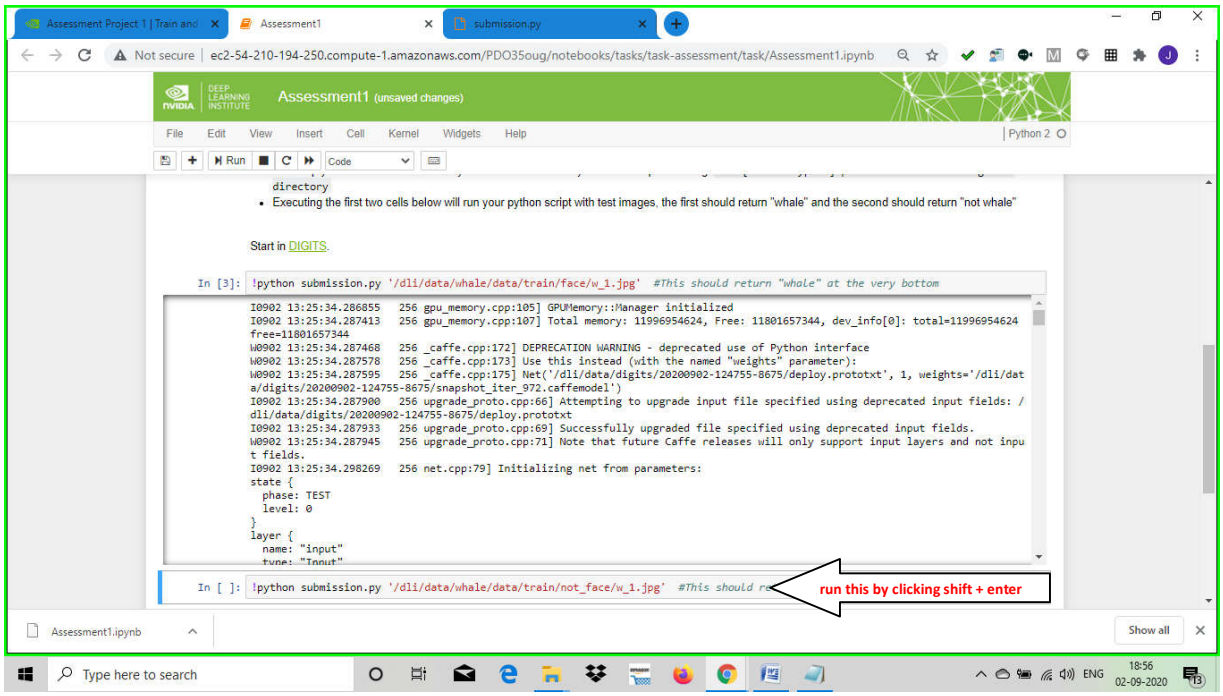
3rd change at line no 22

4th change at line no 26

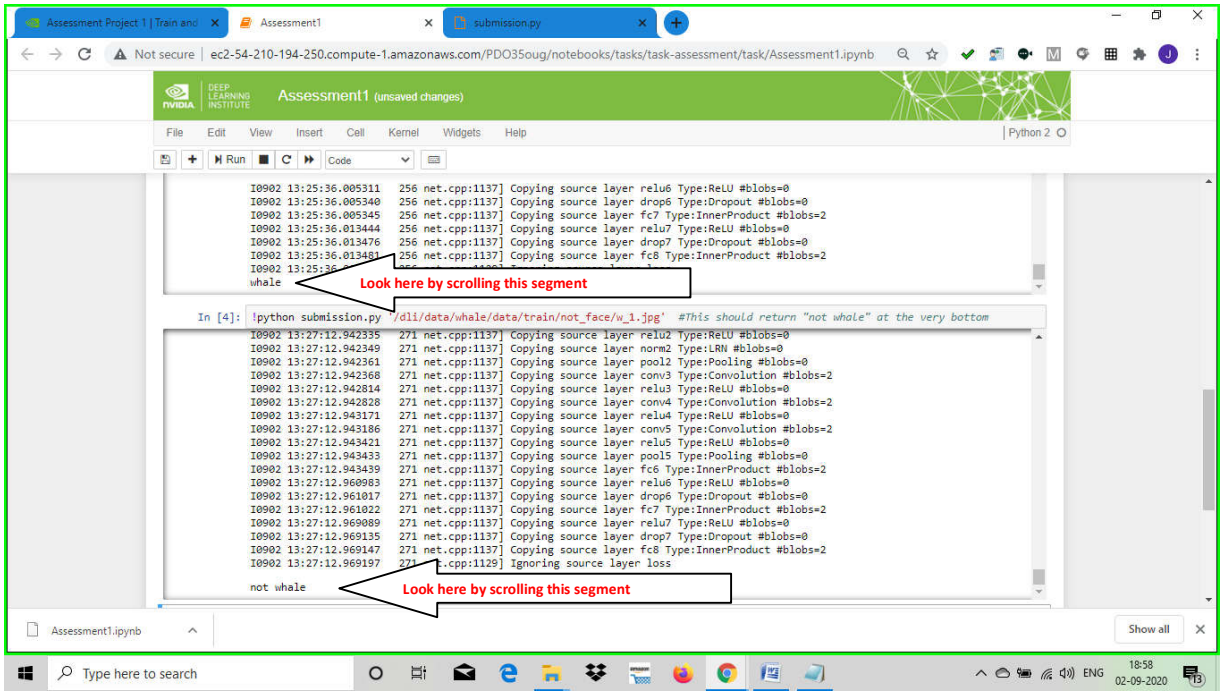
5th change at line no 29



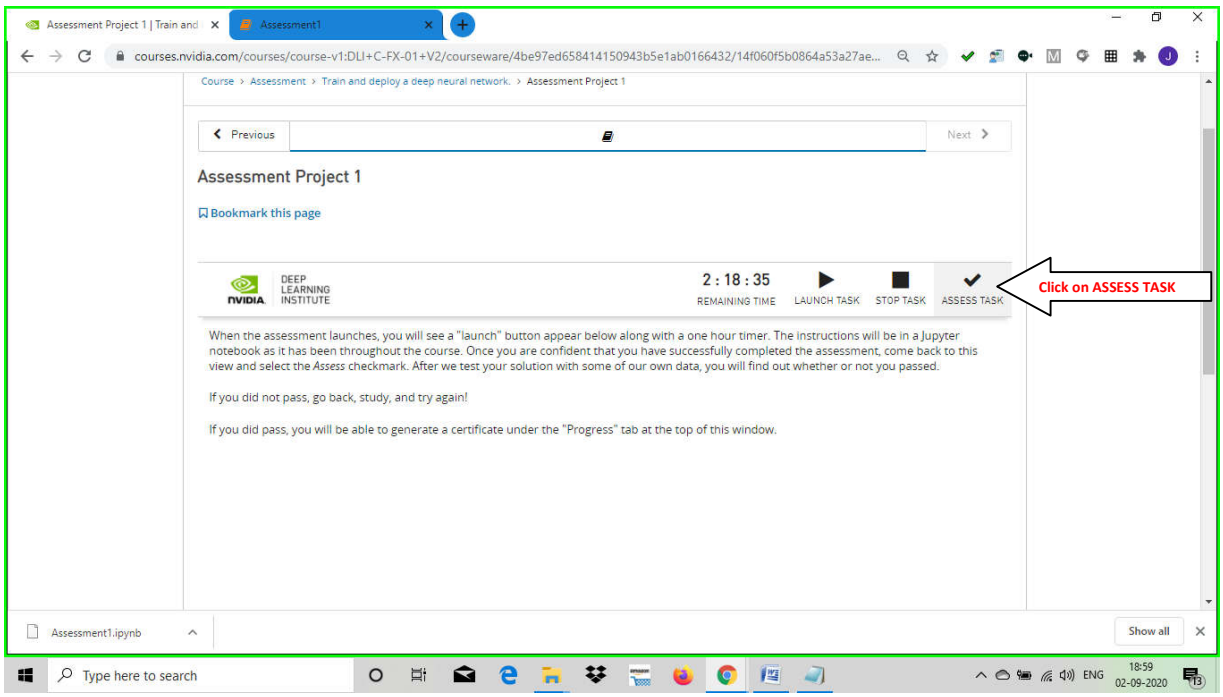
26. Now come back to Assessment tab(window) and run the above code



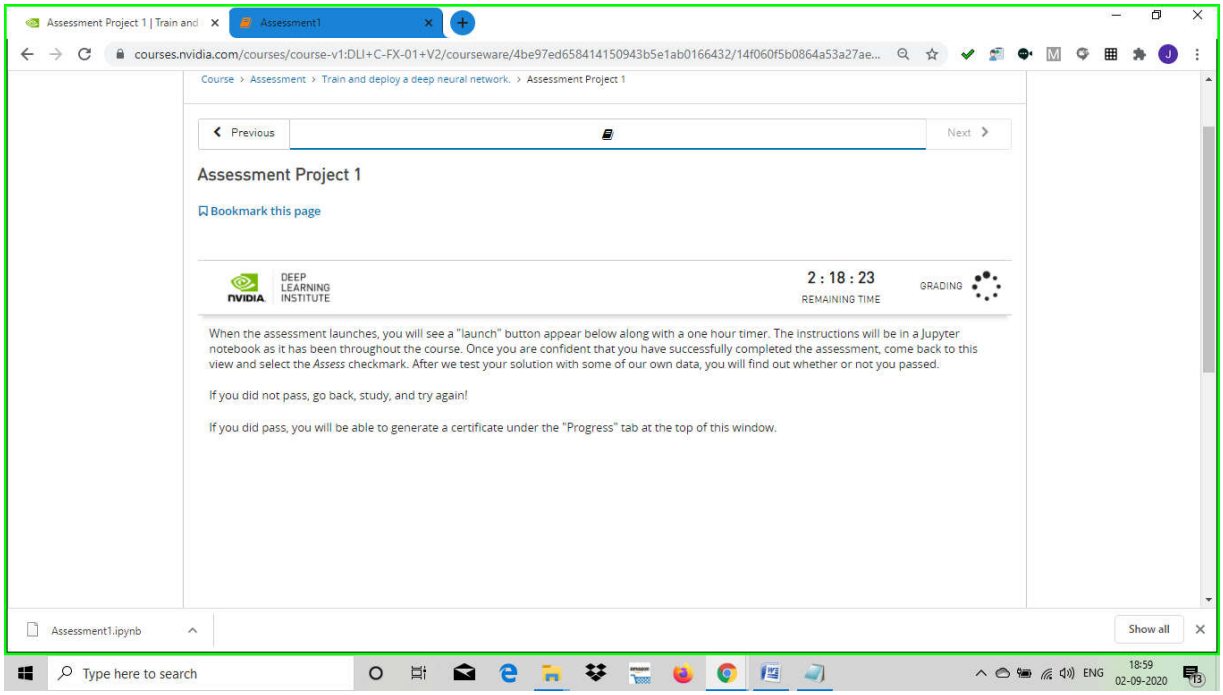
27. run the above code



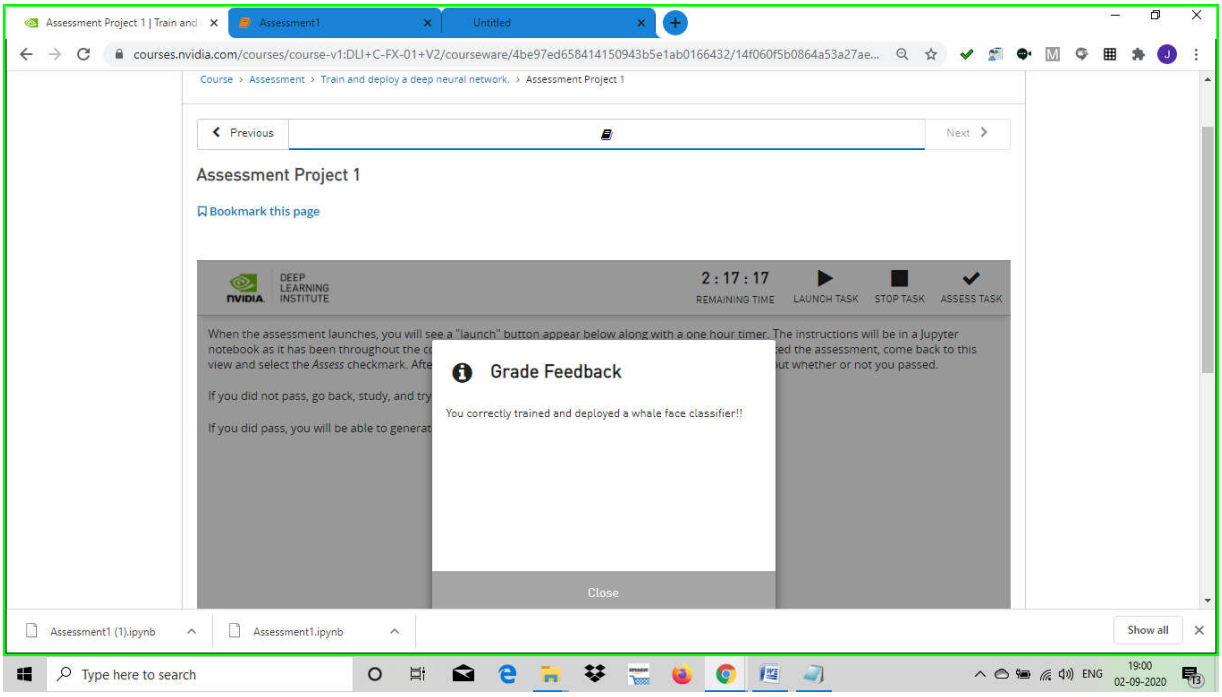
28. After successful execution you get first code as whale and second as not whale



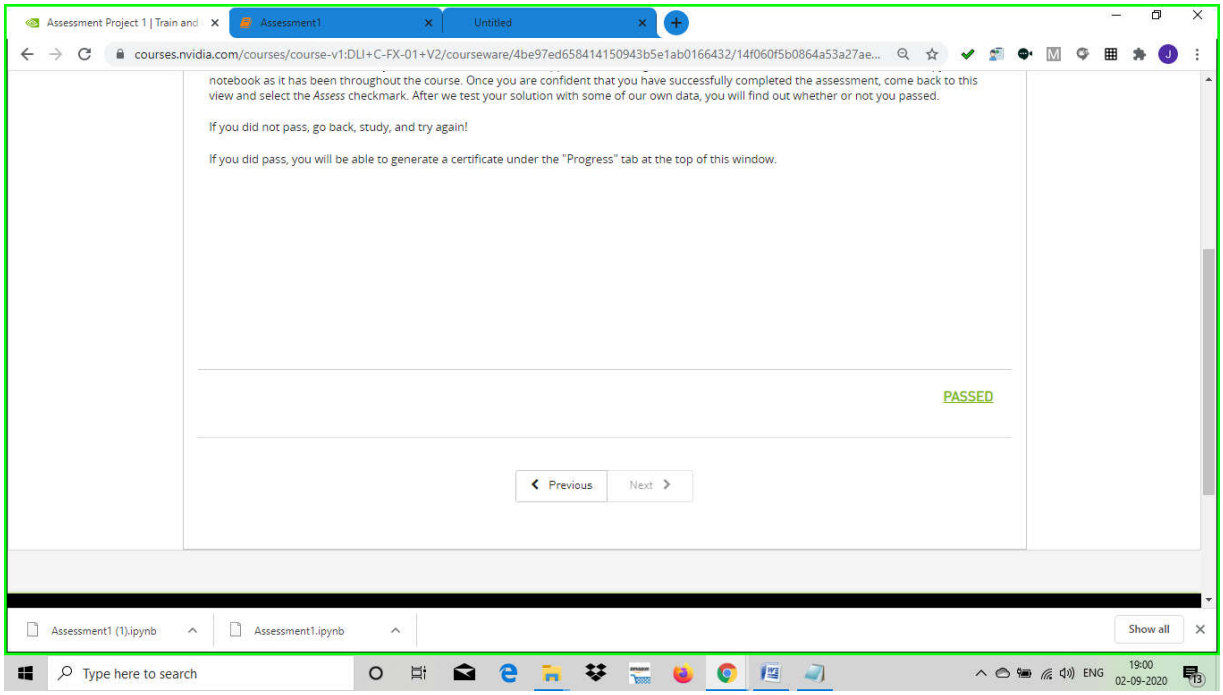
29. Now come back to assessment Project tab(window) click on assess task button as shown above.



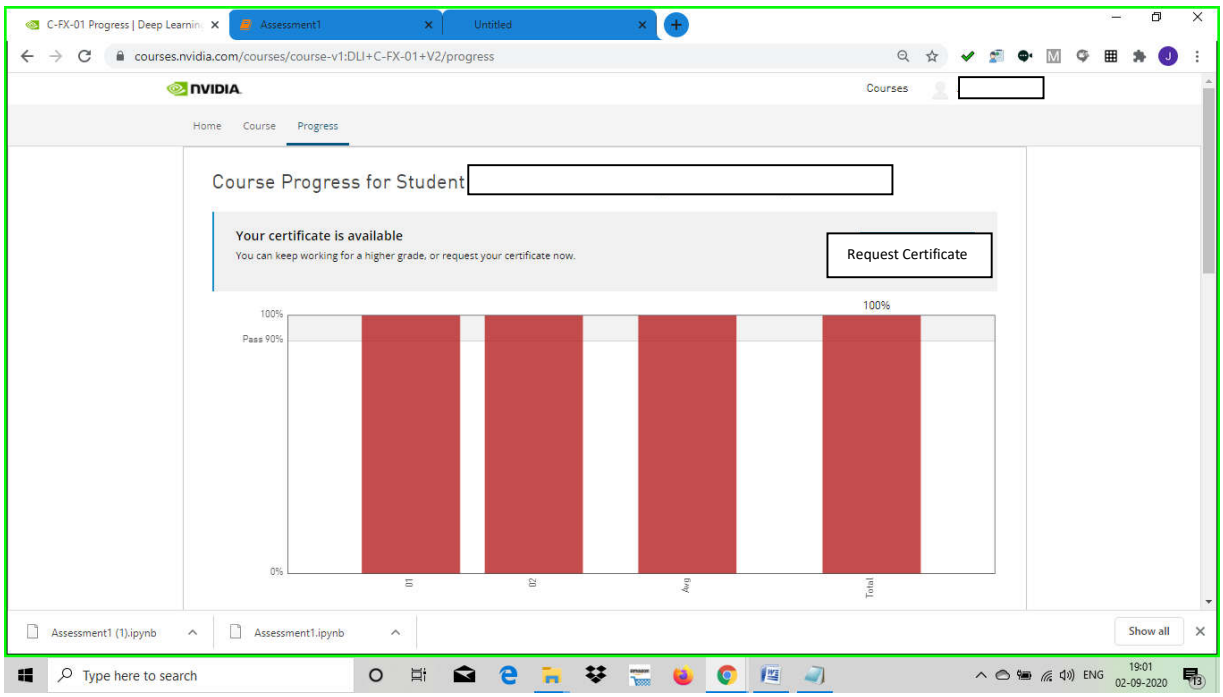
30.After clicking assess task your model will be assessed as shown above.



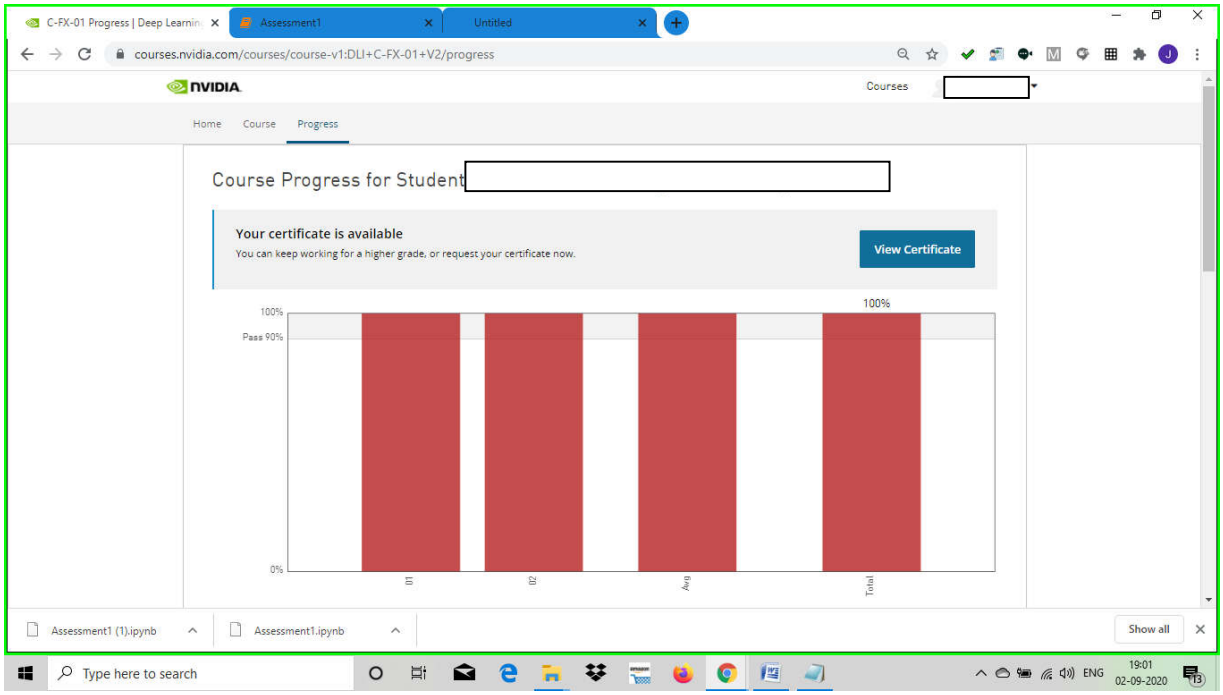
31. If you have followed the steps as said so far you will get the same screen as shown above click on close button.



32.if You scroll you will see the same on your screen as PASSED



33.Go to Progress Tab and Click on Request Certificate(but ensure you have answered all multiple choice questions in all the sections of this certification module.



34. Click on view certificate button to get your certificate.

35. Share with all for easy access.

Thank you all….