Instructions to run the code

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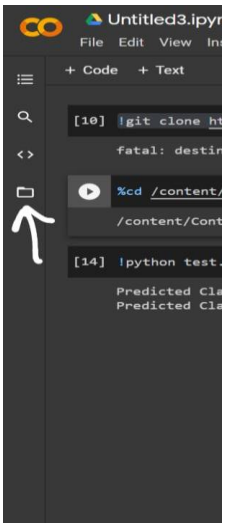
Link to my full Code is here - https://colab.research.google.com/drive/1t-Evu6j7h8Z2VFnxOz-n-g5jurT9T7nt?usp=sharing

To make it easy to run the test code, I have made a python script and uploaded it to my Github (https://github.com/abhigyan13/Continual_Engine_Assignment) along with the trained weights. Following are the steps to test my model -

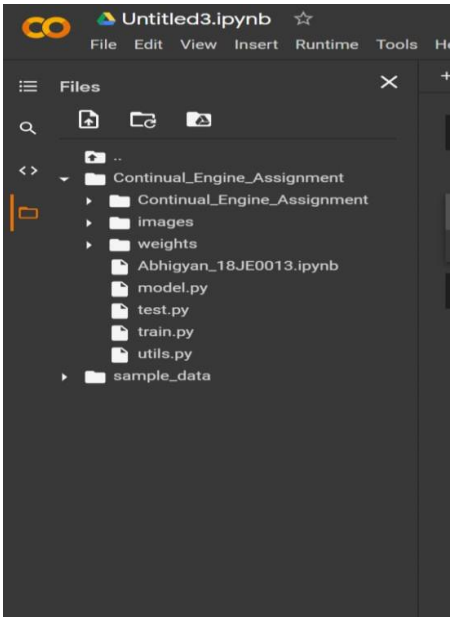
1) Open a New Notebook in Google Colab.
2) Import my Github Code in Colab through this command in colab –

```
!git clone https://github.com/abhigyan13/Continual_Engine_Assignment
.git
```

On the left hand side, click on files,



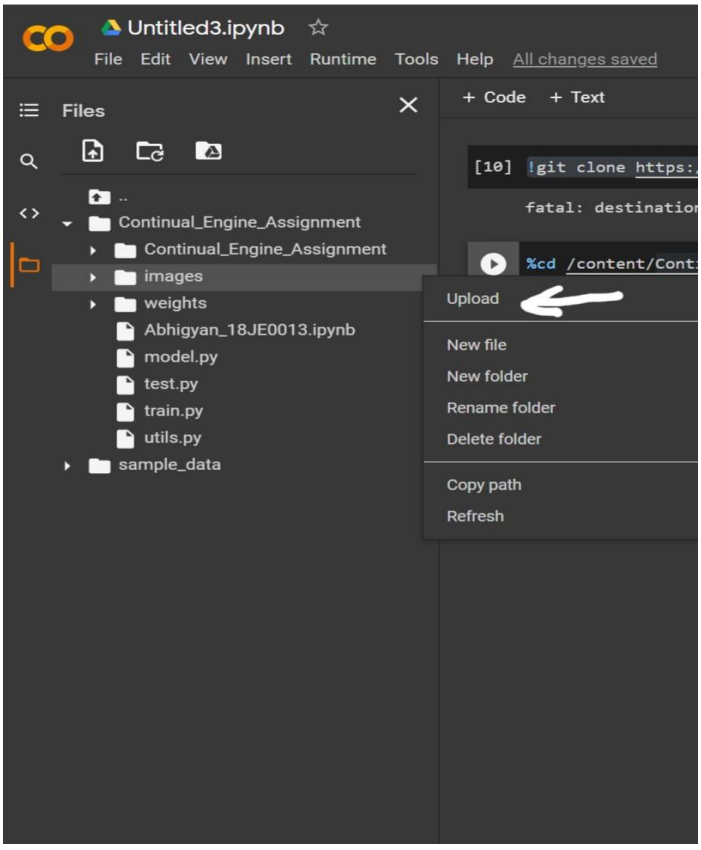
Now you will the Github directory in Colab –



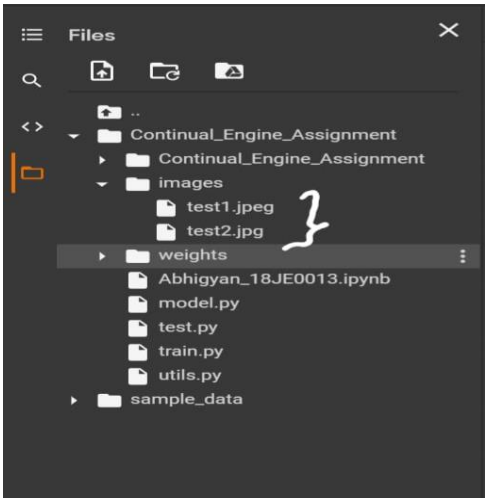
3) Change the directory to this Assignment Directory –

```
%cd /content/Continual_Engine_Assignment
```

4) Put all the images you want to test on in the ‘images’ folder by right clicking and uploading.



You will see the uploaded files as follows –

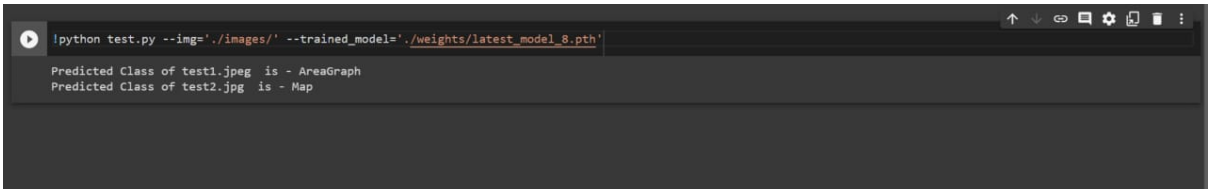


5) Now test the model on all images using the following command –

```
!python test.py --img='./images/' --
trained_model='./weights/latest_model_8.pth'
```

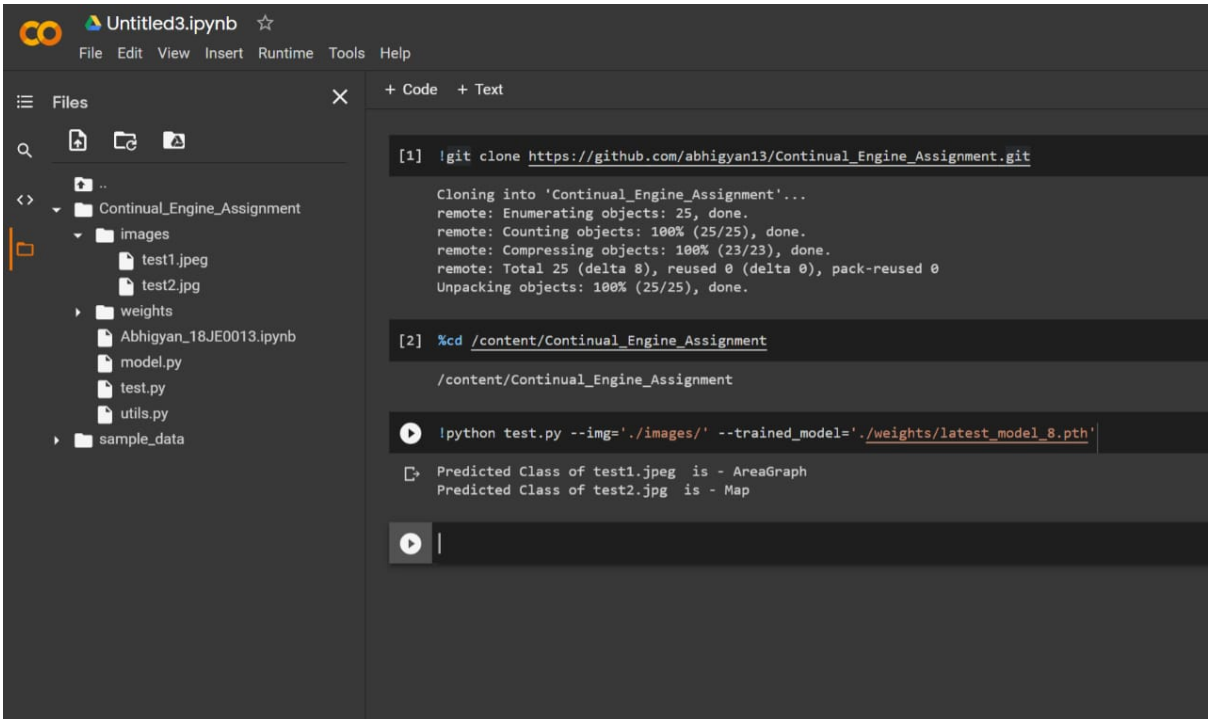
Here. ‘img’ contains the path to the folder with all the test images and ‘trained_model’ contains path to saved weights.

The output will look as follows –



You will see the predicted Classes corresponding to each test image.

Finally, your entire code should look something like this –


Untitled3.ipynb
File Edit View Insert Runtime Tools Help
Files
+ Code + Text
[1] !git clone https://github.com/abhigyan13/Continual_Engine_Assignment.git
Cloning into 'Continual_Engine_Assignment'...
remote: Enumerating objects: 25, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (23/23), done.
remote: Total 25 (delta 8), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (25/25), done.
[2] %cd /content/Continual_Engine_Assignment
/content/Continual_Engine_Assignment
!python test.py --img='./images/' --trained_model='./weights/latest_model_8.pth'
Predicted Class of test1.jpeg is - AreaGraph
Predicted Class of test2.jpg is - Map
..
Continual_Engine_Assignment
images
test1.jpeg
test2.jpg
weights
Abhigyan_18JE0013.ipynb
model.py
test.py
utils.py
sample_data