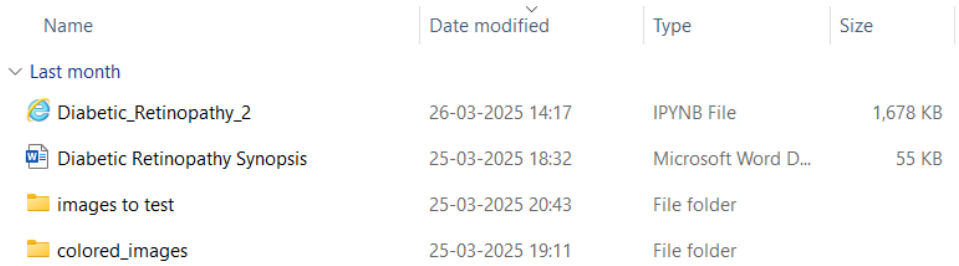
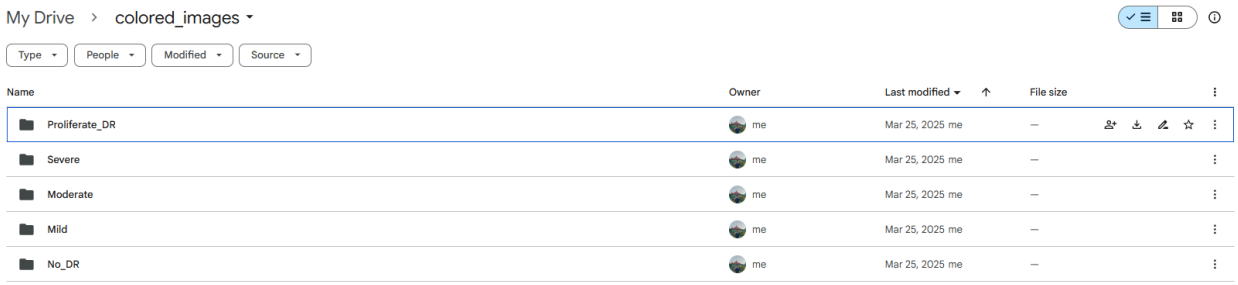
Extract the .zip file

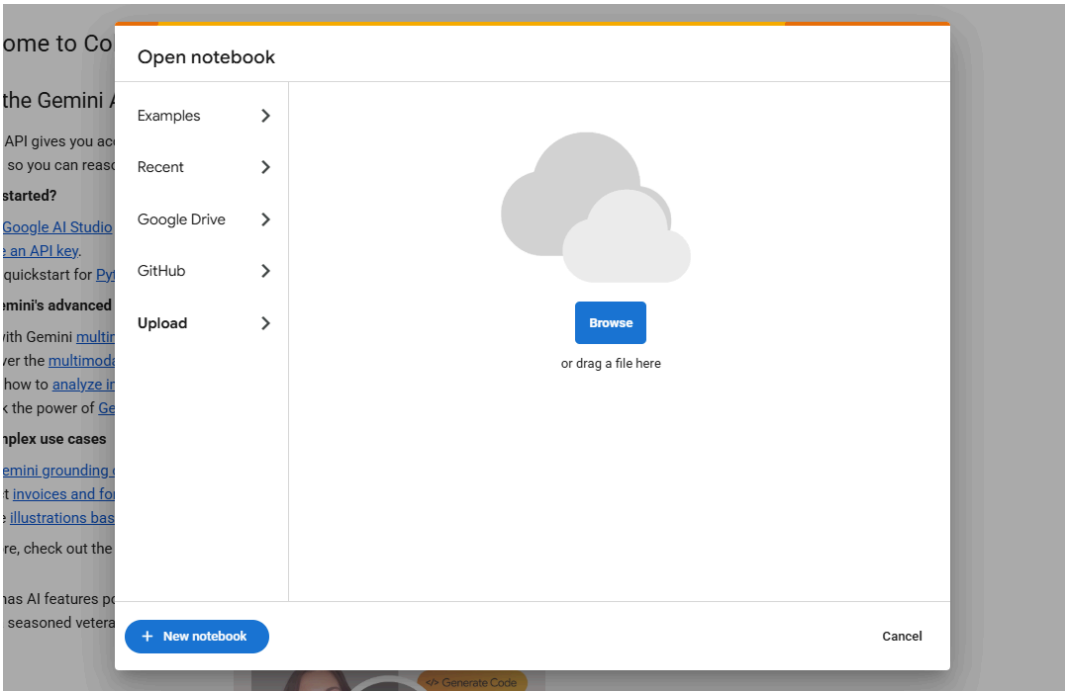



Upload “colored_images” folder to your Google Drive

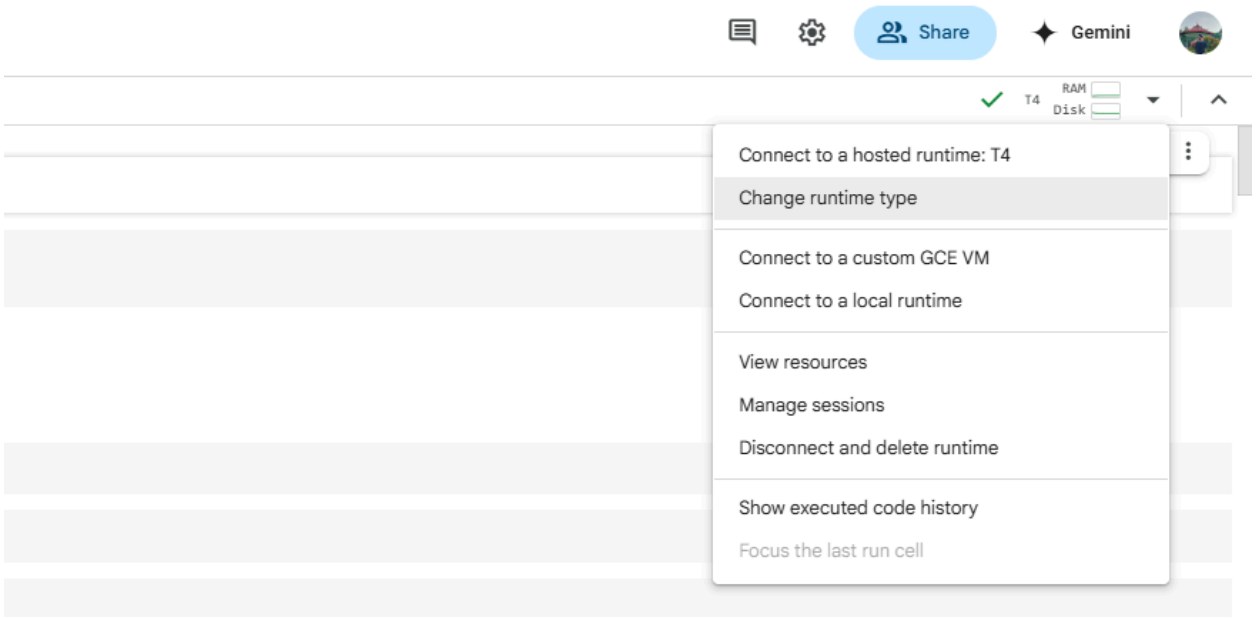


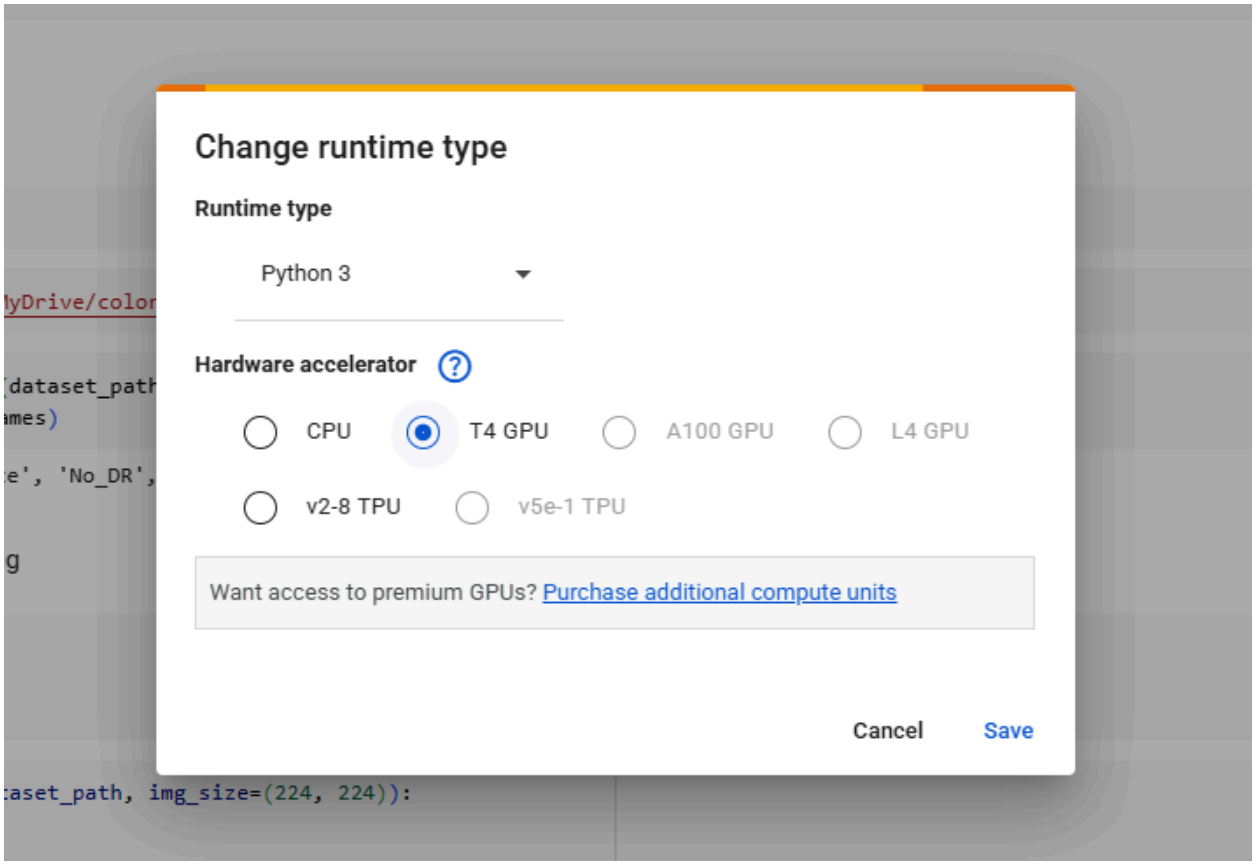

Open Google Colab: https://colab.research.google.com/

Upload “Diabetic_Retinopathy_2.ipynb” file here: (and open)



Before executing change run time to T4

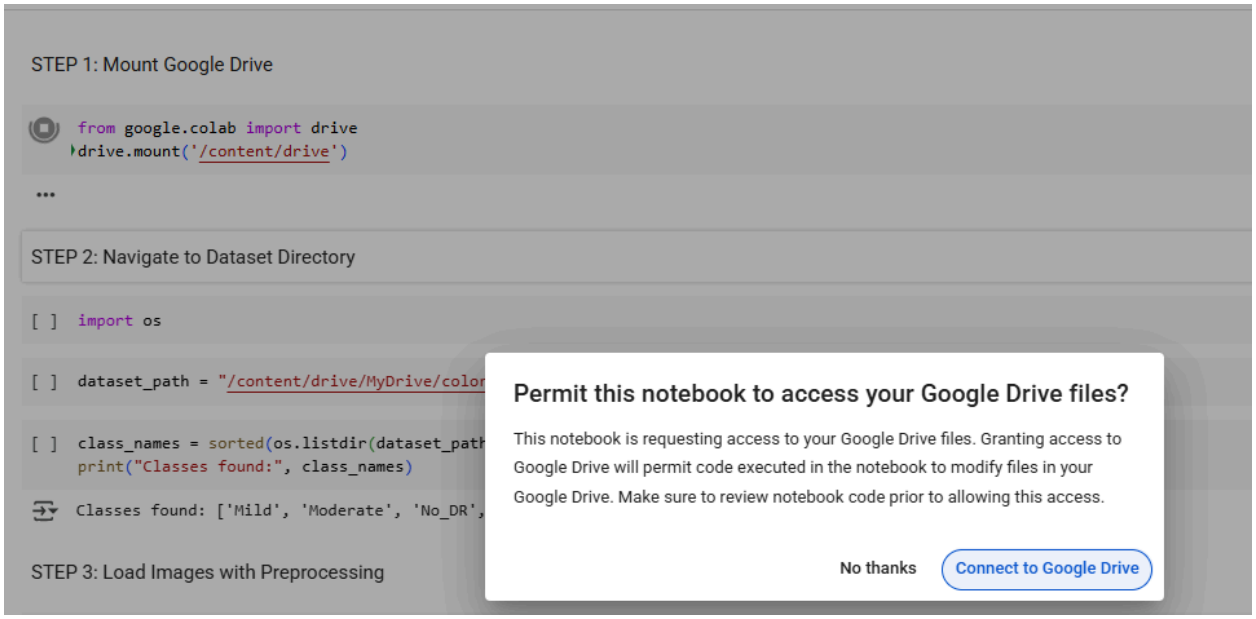


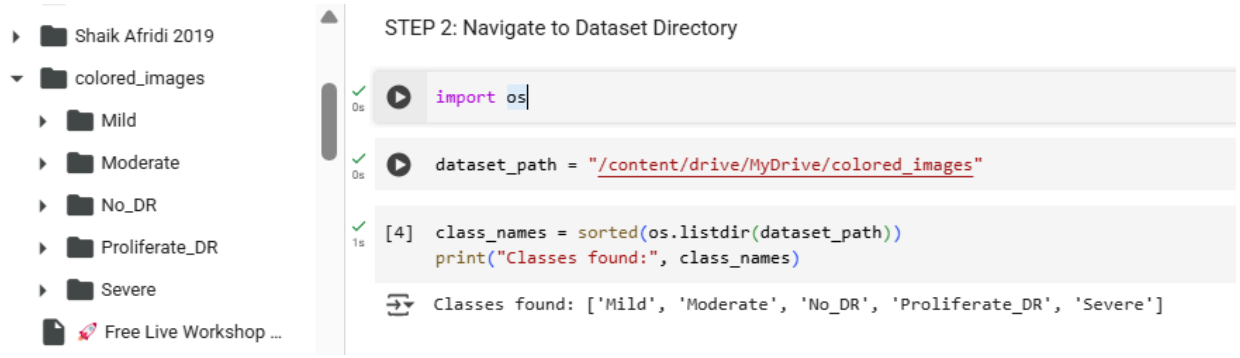

This T4-GPU is limited one trial per day, BE CAREFUL, DON’T OVER USE

RUN THE CODES: ONE BY ONE

STEP 1: Connect to Google Drive for the account where you have uploaded “colored_images”



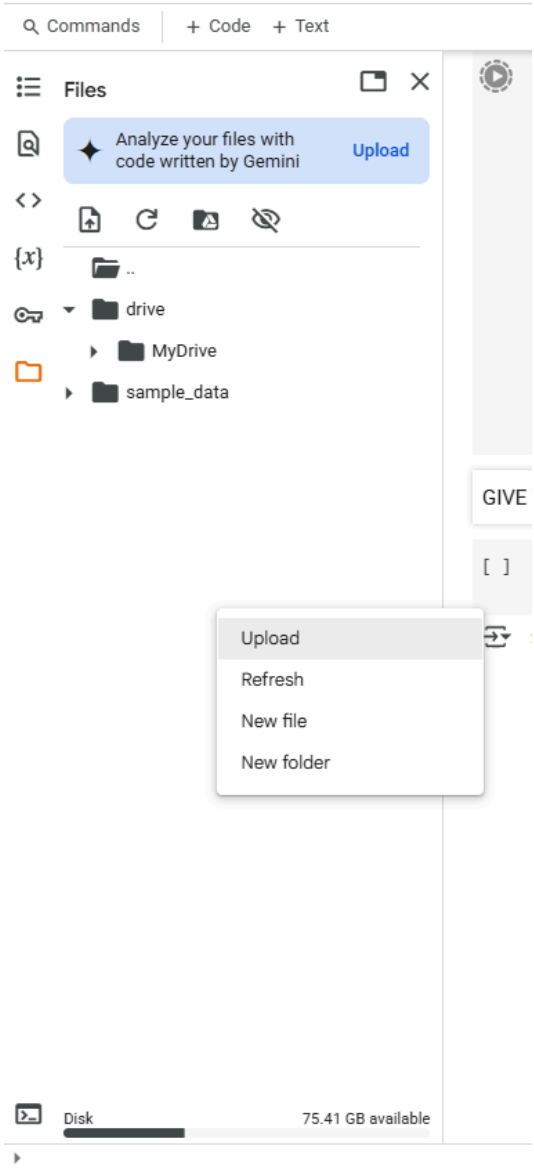

STEP 2: Navigate to the path where you have uploaded “colored_images” folder



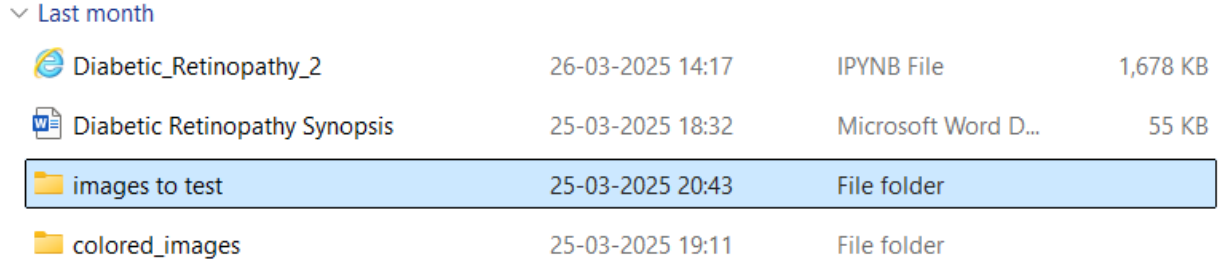

**NOW JUST RUN ALL THE CODES TILL STEP 15**

In the step “Give the Sample Image”

Click on left, and Upload

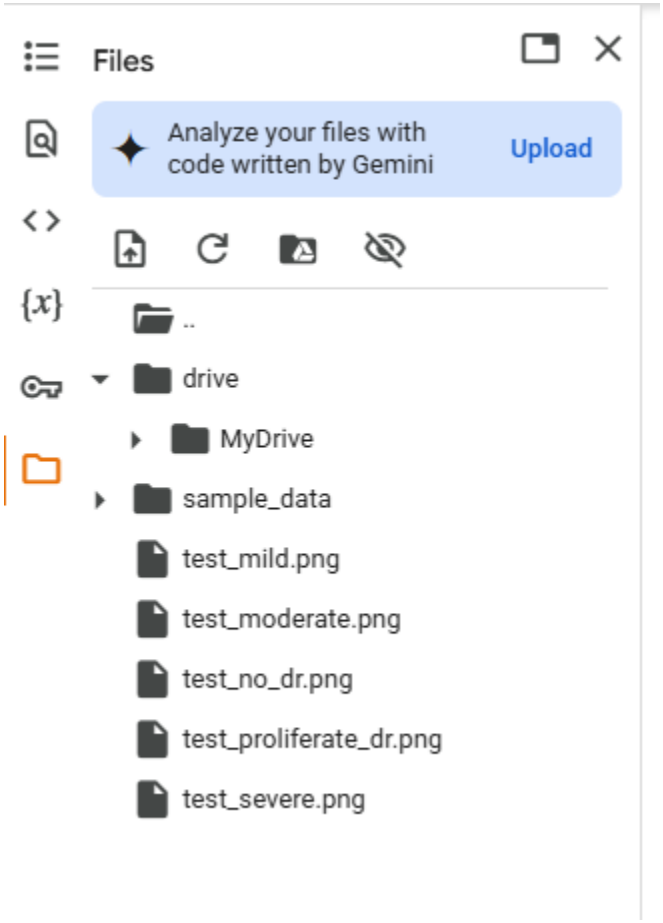



And upload all the images there in extracted “images to test folder”



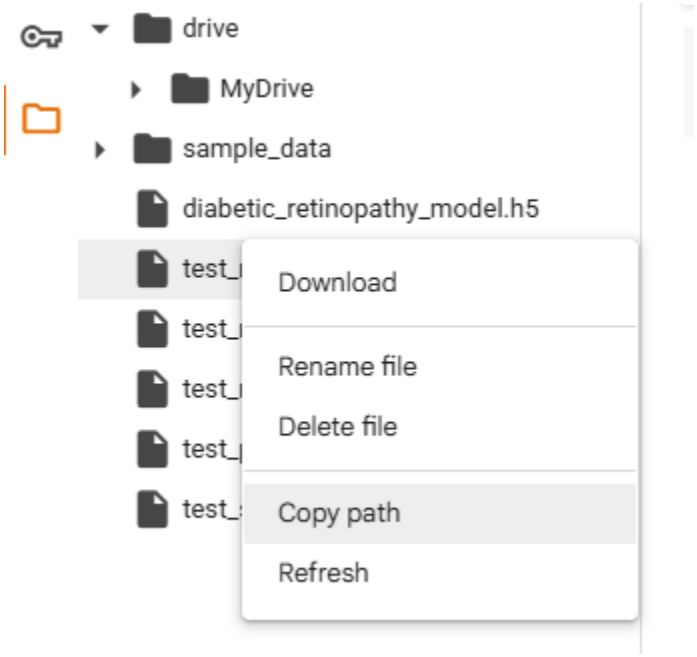
| Name | Date modified | Type | Size |
|---|---|---|---|
| Last month | | | |
| test_severe | 25-03-2025 20:43 | PNG File | 85 KB |
| test_proliferate_dr | 25-03-2025 20:43 | PNG File | 68 KB |
| test_no_dr | 25-03-2025 20:43 | PNG File | 68 KB |
| test_moderate | 25-03-2025 20:43 | PNG File | 69 KB |
| test_mild | 25-03-2025 20:43 | PNG File | 65 KB |

After uploading they will be stored here! IN THE LEFT



CHECKING THE OUTPUTS

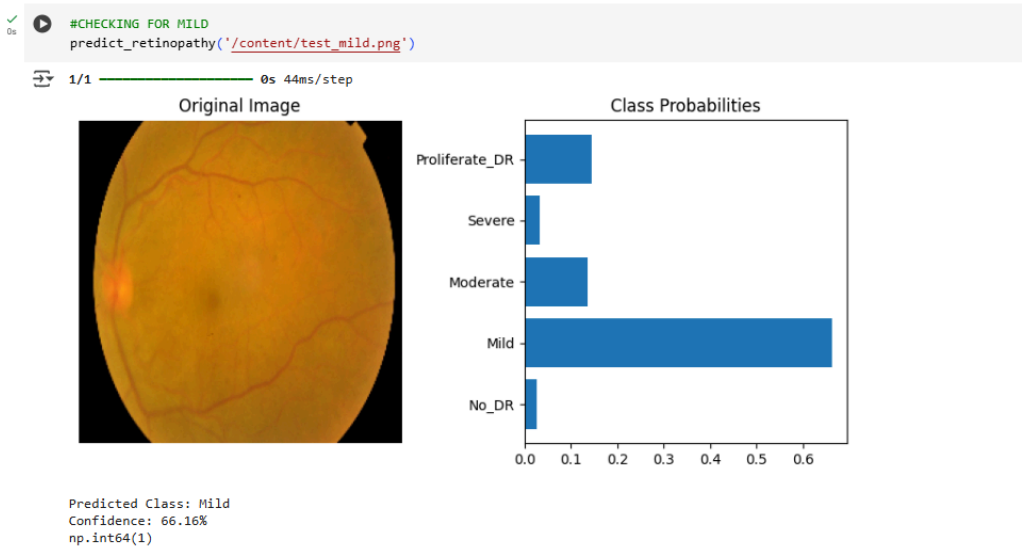
Copy the Path of each of the test_ image and paste in the “predict_retinopathy(_____)” code





Don’t forget to add single quotations ‘ ‘ at the start and end of the path ‘/content/test_mild.png’

You will get the output:




Predicted Class: Mild, Along with the Probability Graph and Confidence percentage
(And repeat the same steps for the remaining 4 disease stages as well)

You can tell that we have taken a limited number of training images, as it will take a lot of time to upload a whole 3gb worth of data and run the model over it.

So Data Sampling has been done.