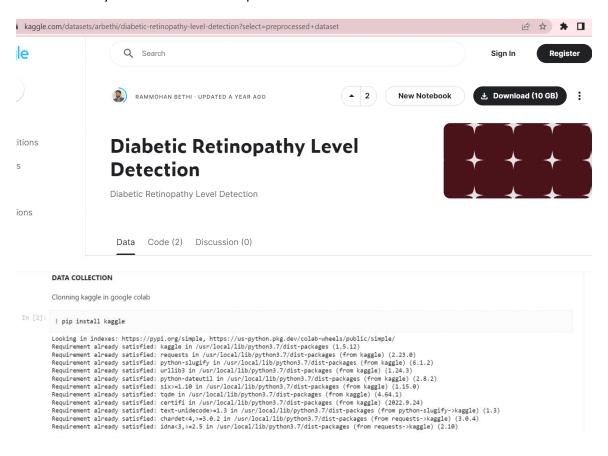
Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy

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Data Collection

DL depends heavily on data, it is the most crucial aspect that makes algorithm training possible. So this section allows you to download the required dataset.



Create Training And Testing Path

To build a DL model we have to split training and testing data into two separate folders. But In the project dataset folder training and testing folders are presented. So, in this case we just have to assign a variable and pass the folder path to it. Four different transfer learning models are used in our project and the best model (Xception) is selected. The image input size of xception model is 299, 299.

Creating Training And Testing Path

In [9]:
imageSize = [299,299]
trainPath = r"/content/preprocessed dataset/preprocessed dataset/training"
testPath = r"/content/preprocessed dataset/preprocessed dataset/testing"