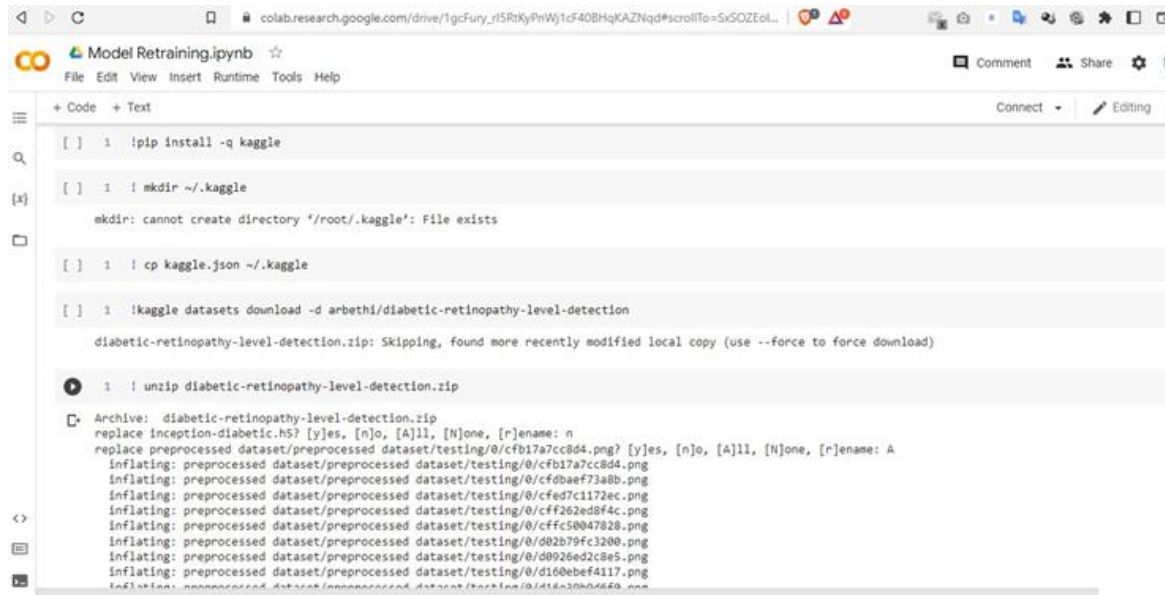# Dataset Collection

Dataset Download

The dataset is downloaded from kaggle link :
https://www.kaggle.com/datasets/arbethi/diabetic-retinopathy-level-detection?select=preprocessed+dataset

Kaggle package in Python is installed to collect the dataset from the source.

Dataset downloaded to the Drive
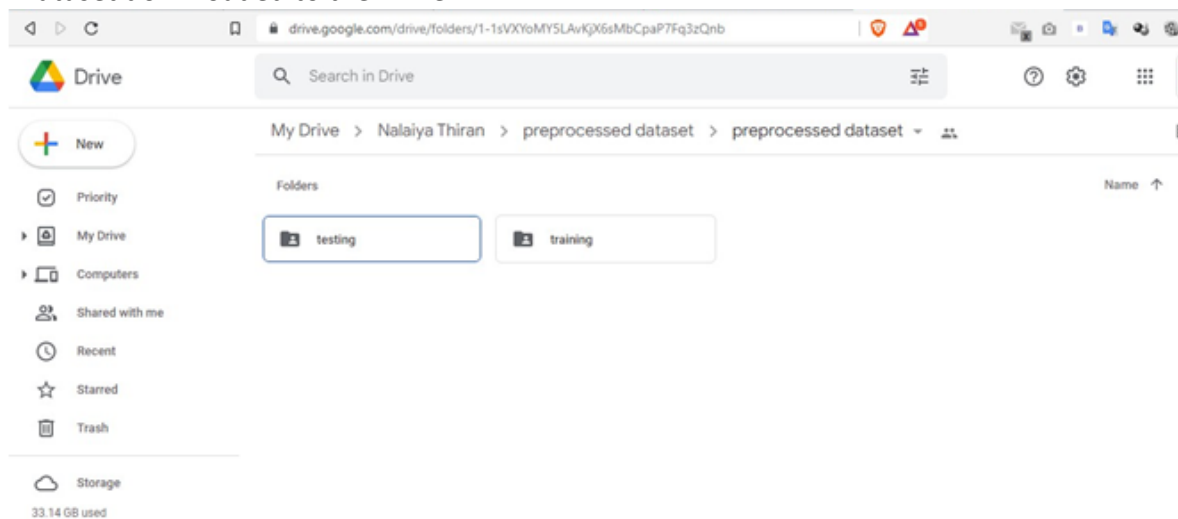
Create Training and Testing path:

```
[ ]  1  img_size = [299,299]
     2  trainPath = "/preprocessed dataset/preprocessed dataset/training"
     3  testPath = "/preprocessed dataset/preprocessed dataset/testing"
```

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.