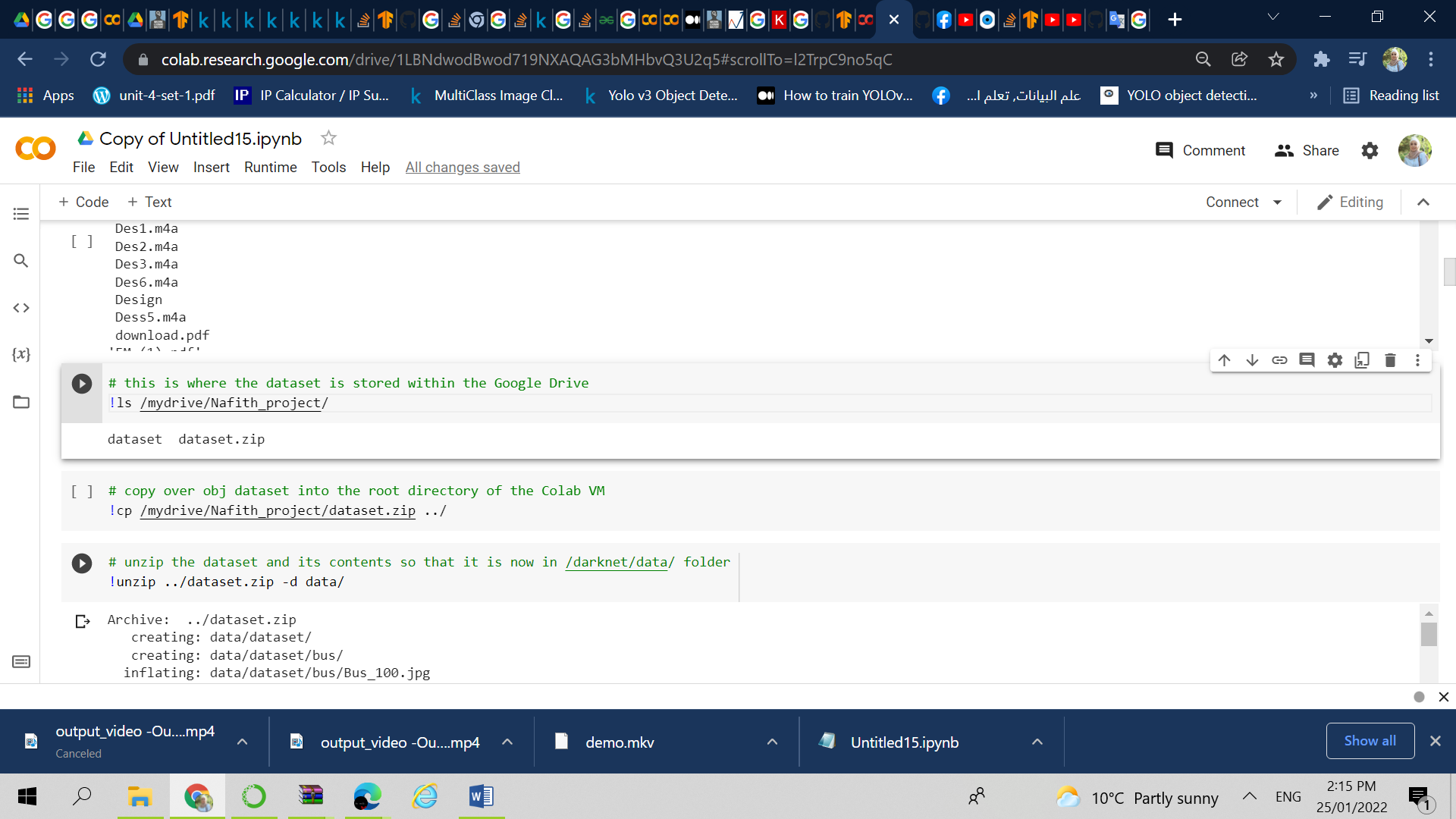
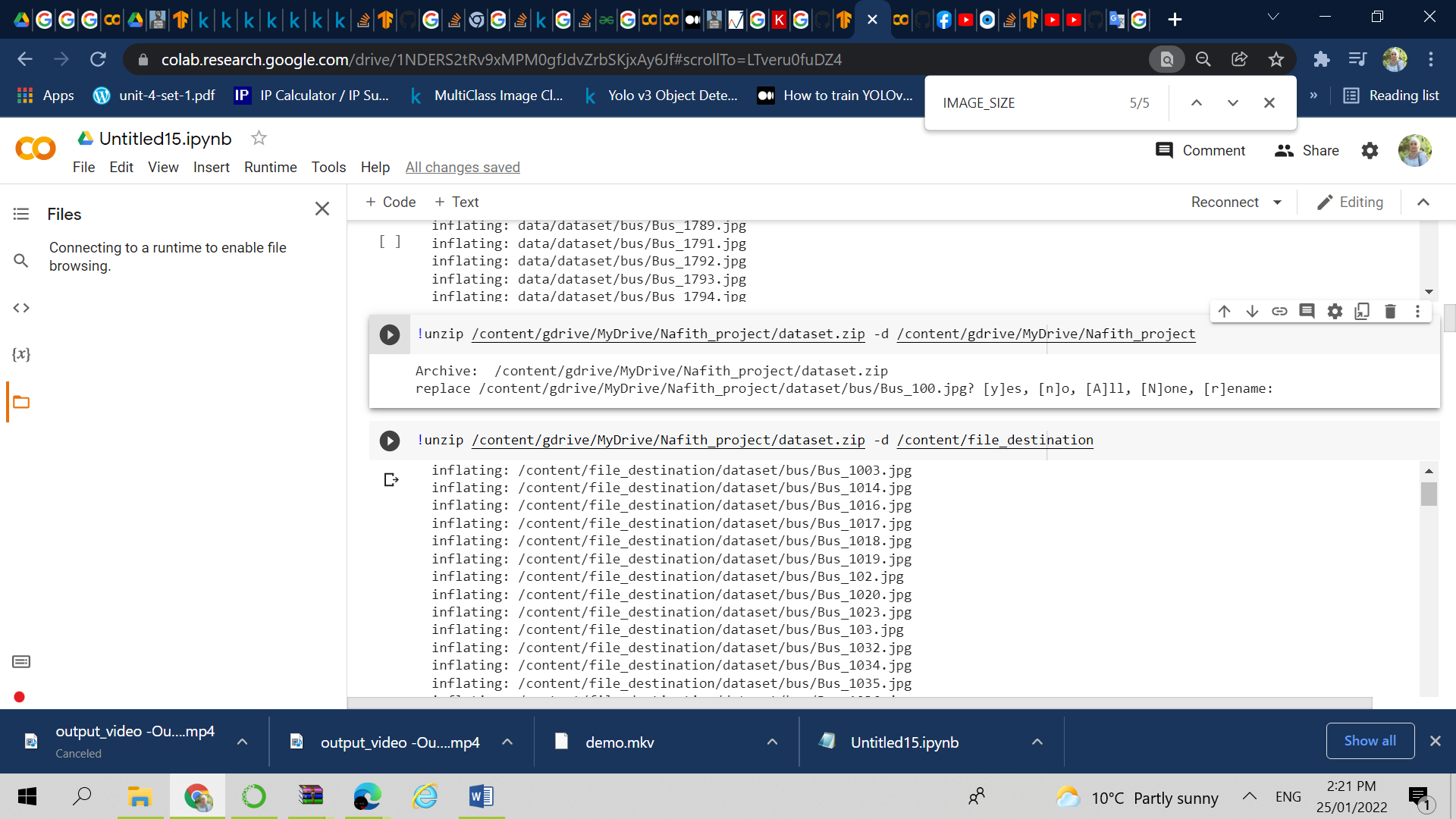
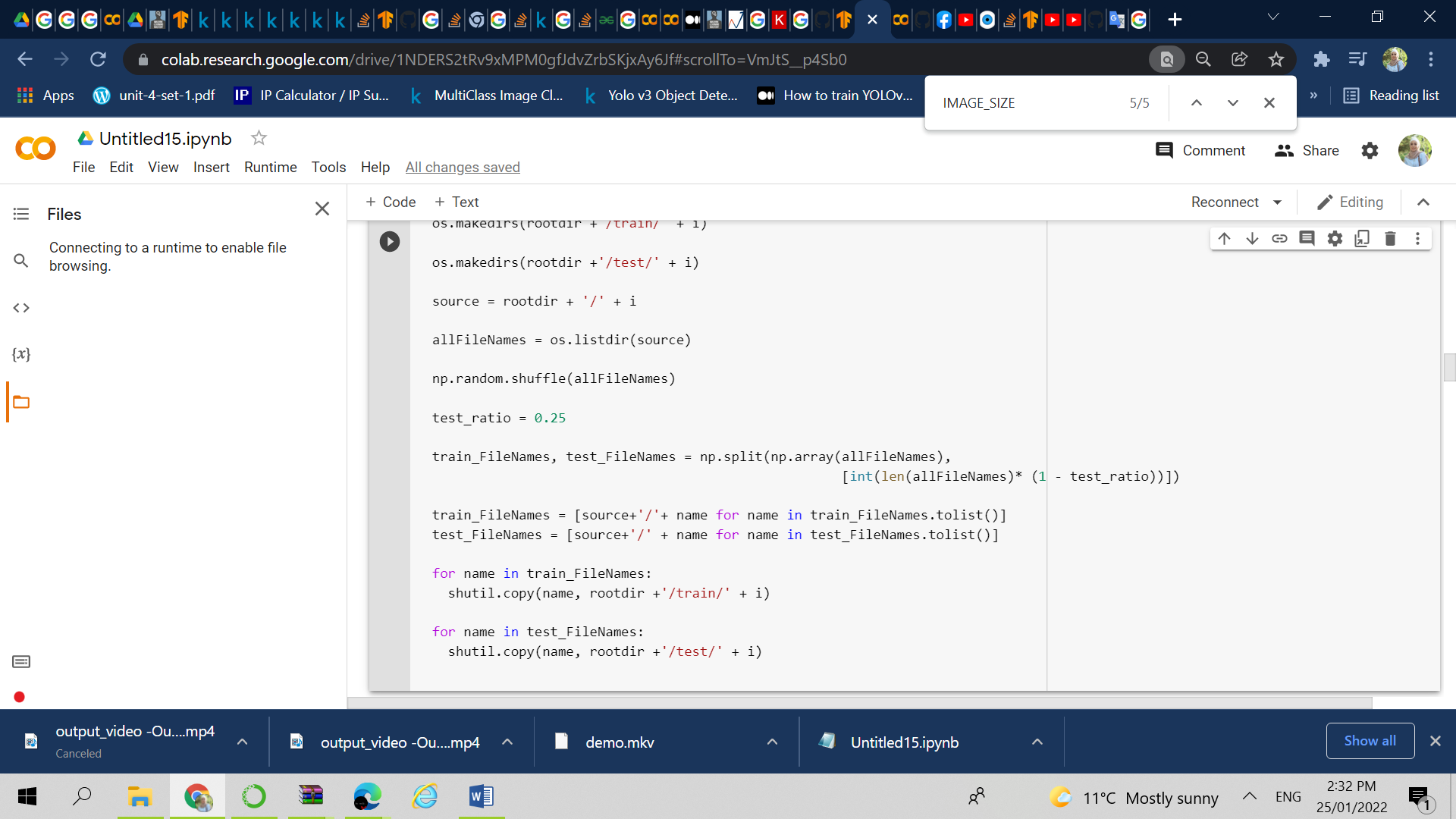


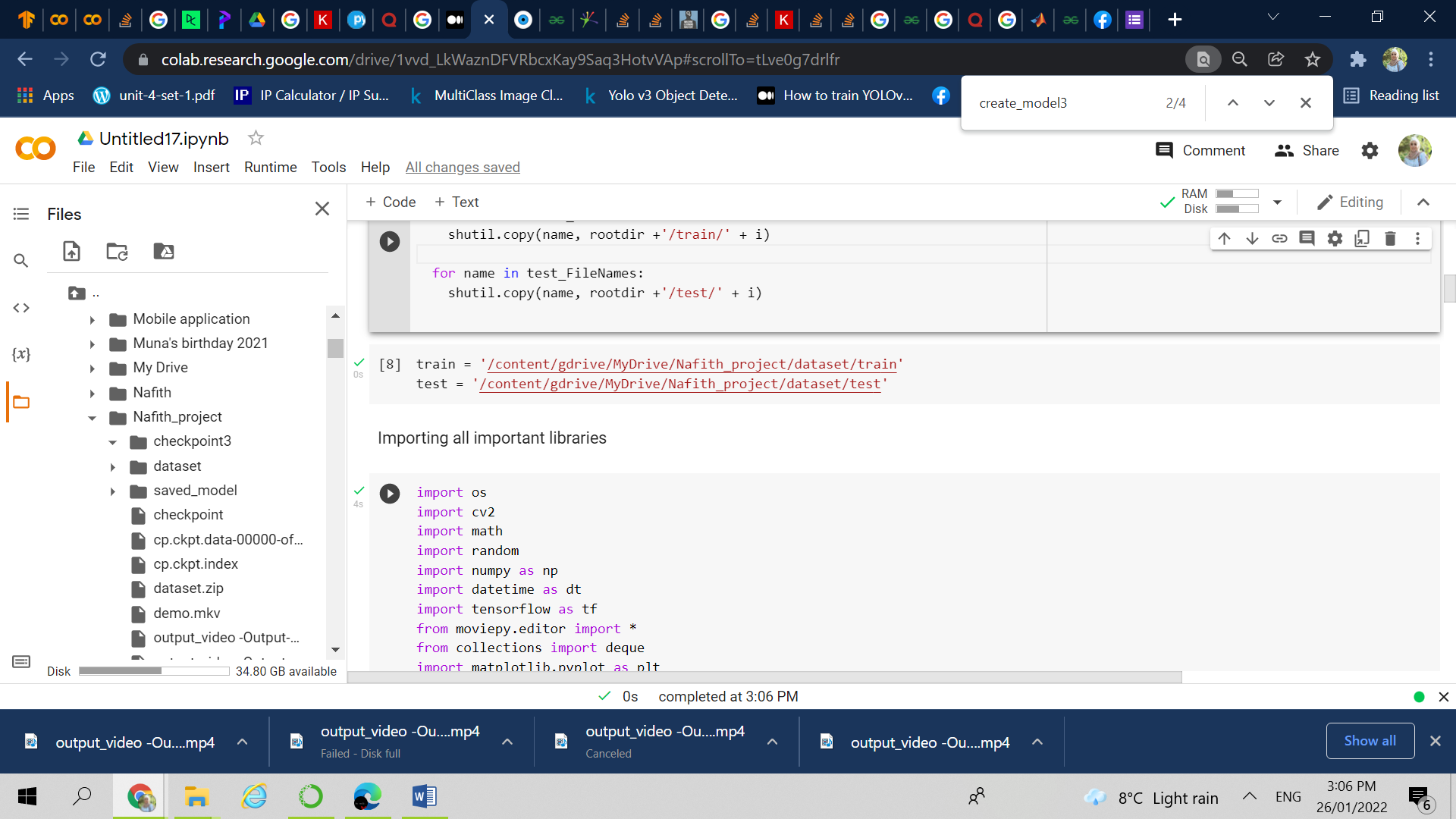
Classification task

Muna Alsaber

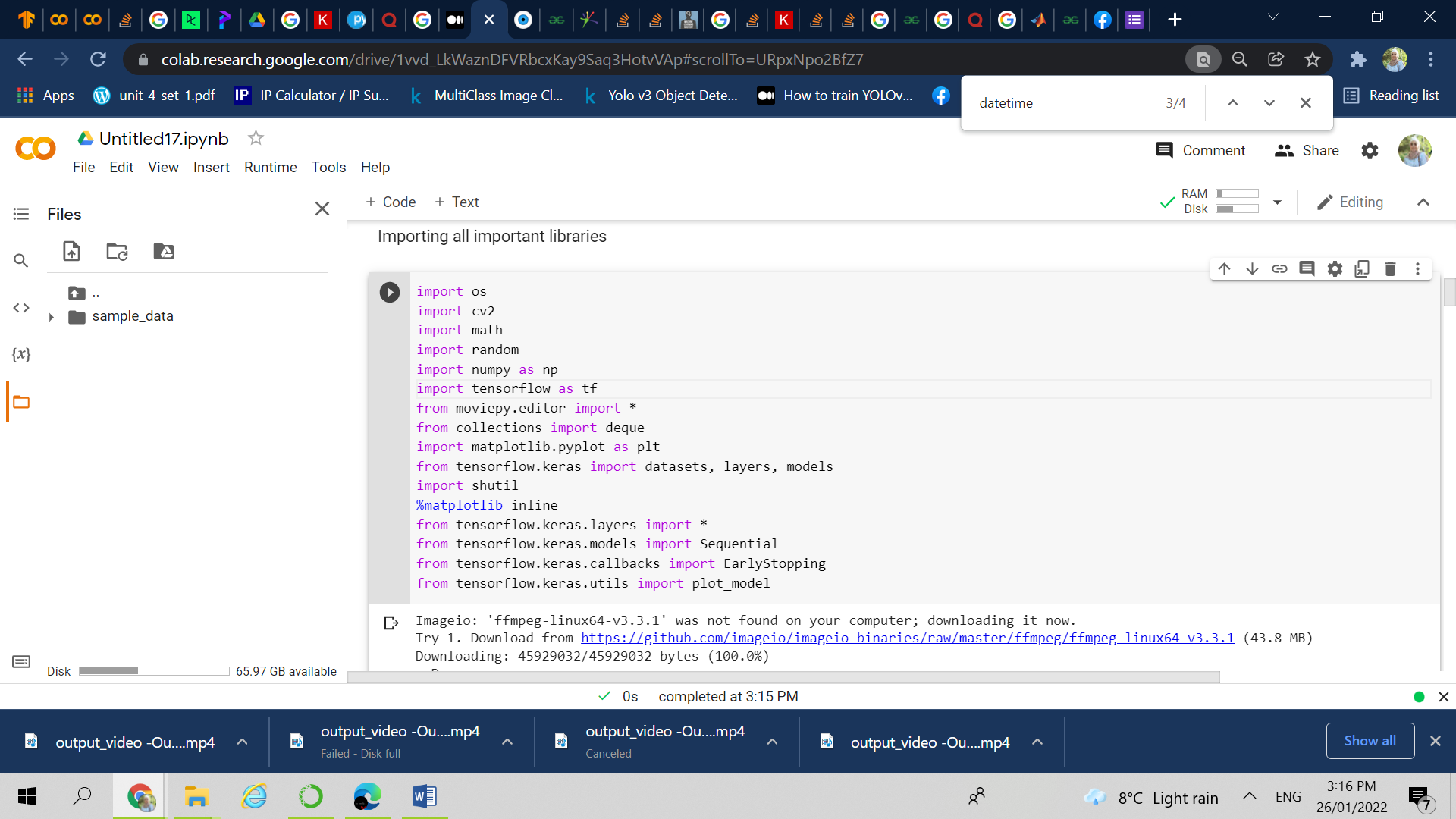
* Uploading all required data on google drive
* Mount Google drive and Extract the Dataset
* Where the dataset is stored
* Extract the compressed dataset file

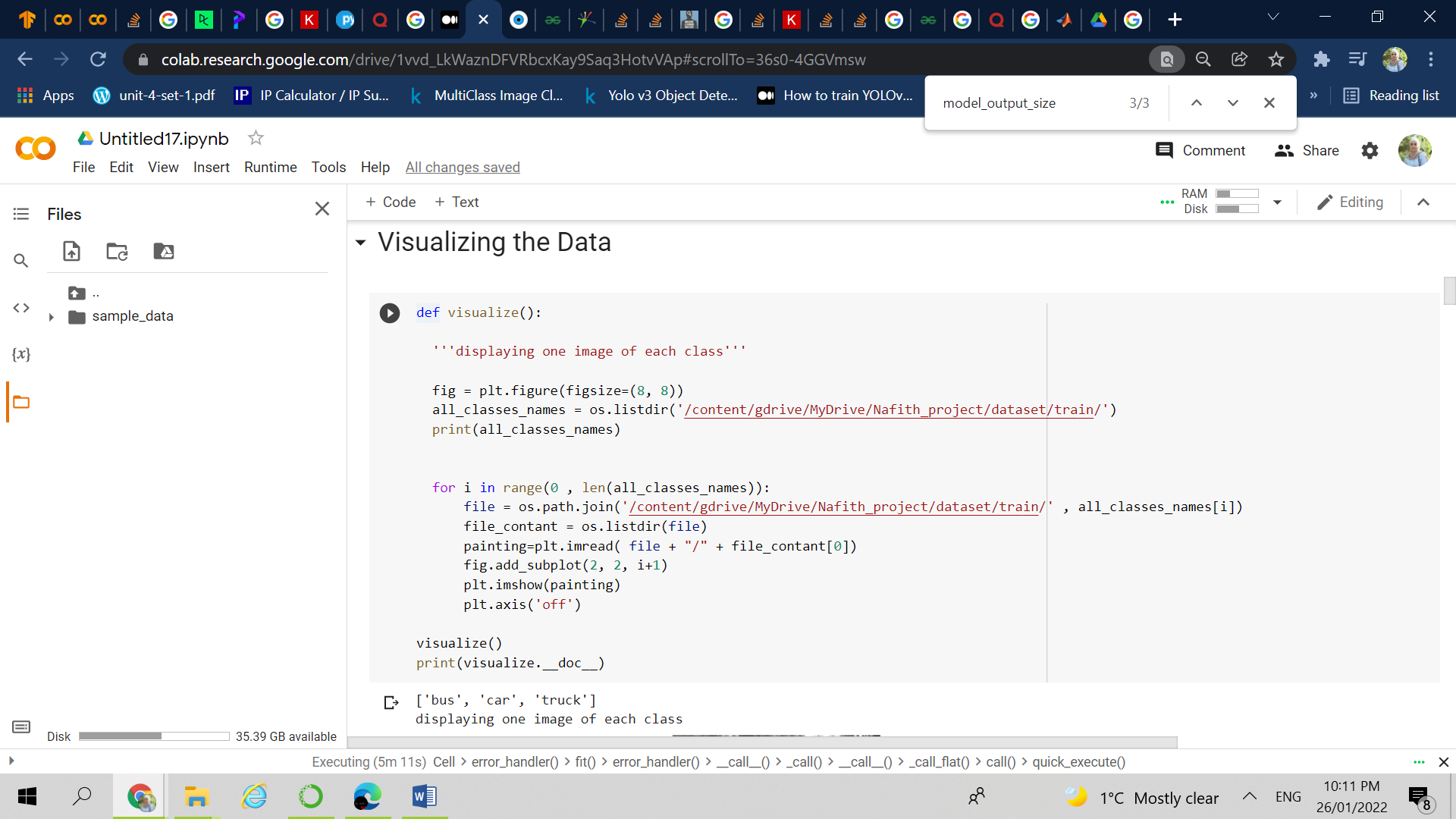
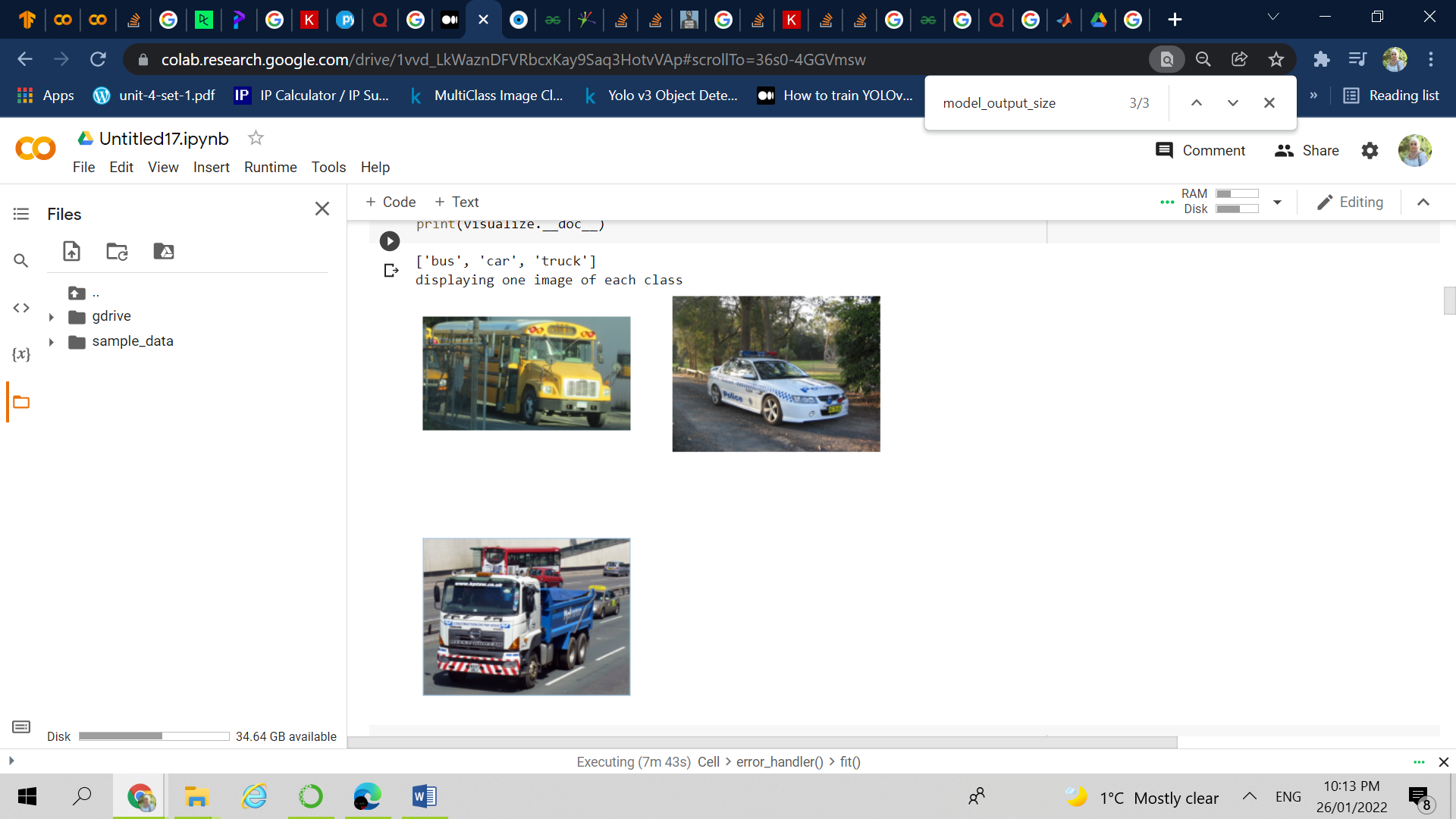


* Splitting dataset into train and test



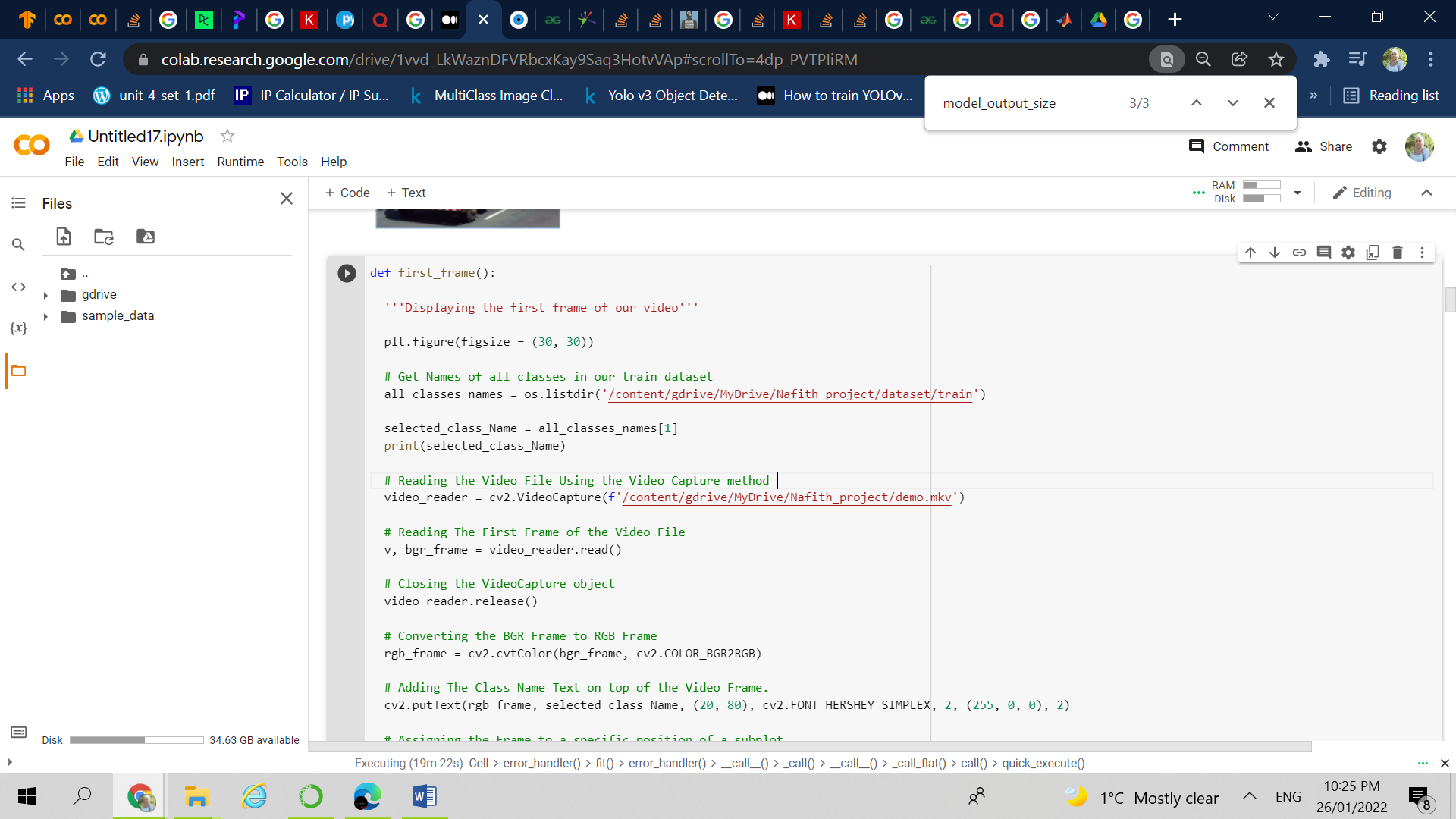
* Importing all important libraries

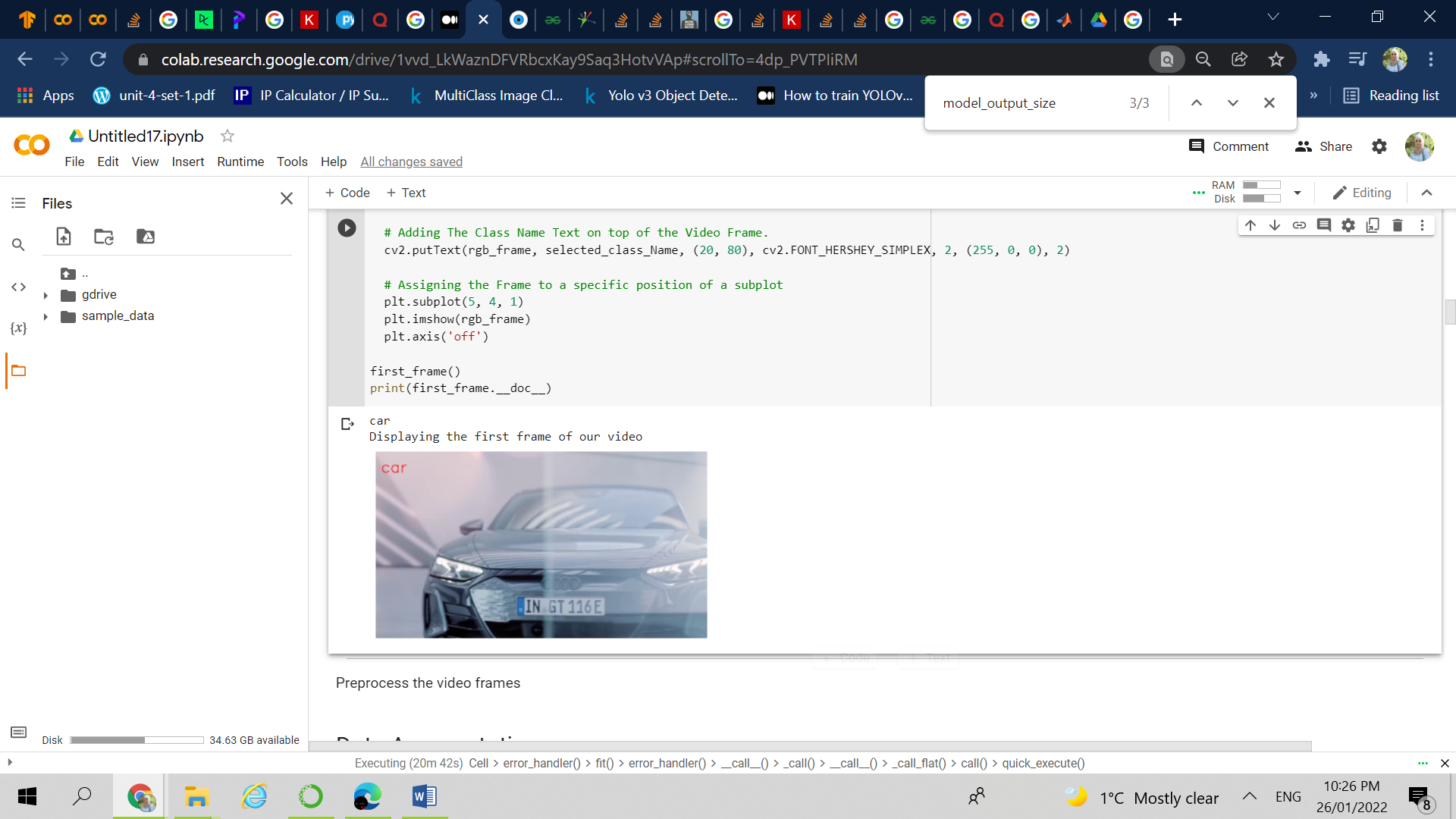


* Visualizing the Data
* displaying one image of each class from the train file

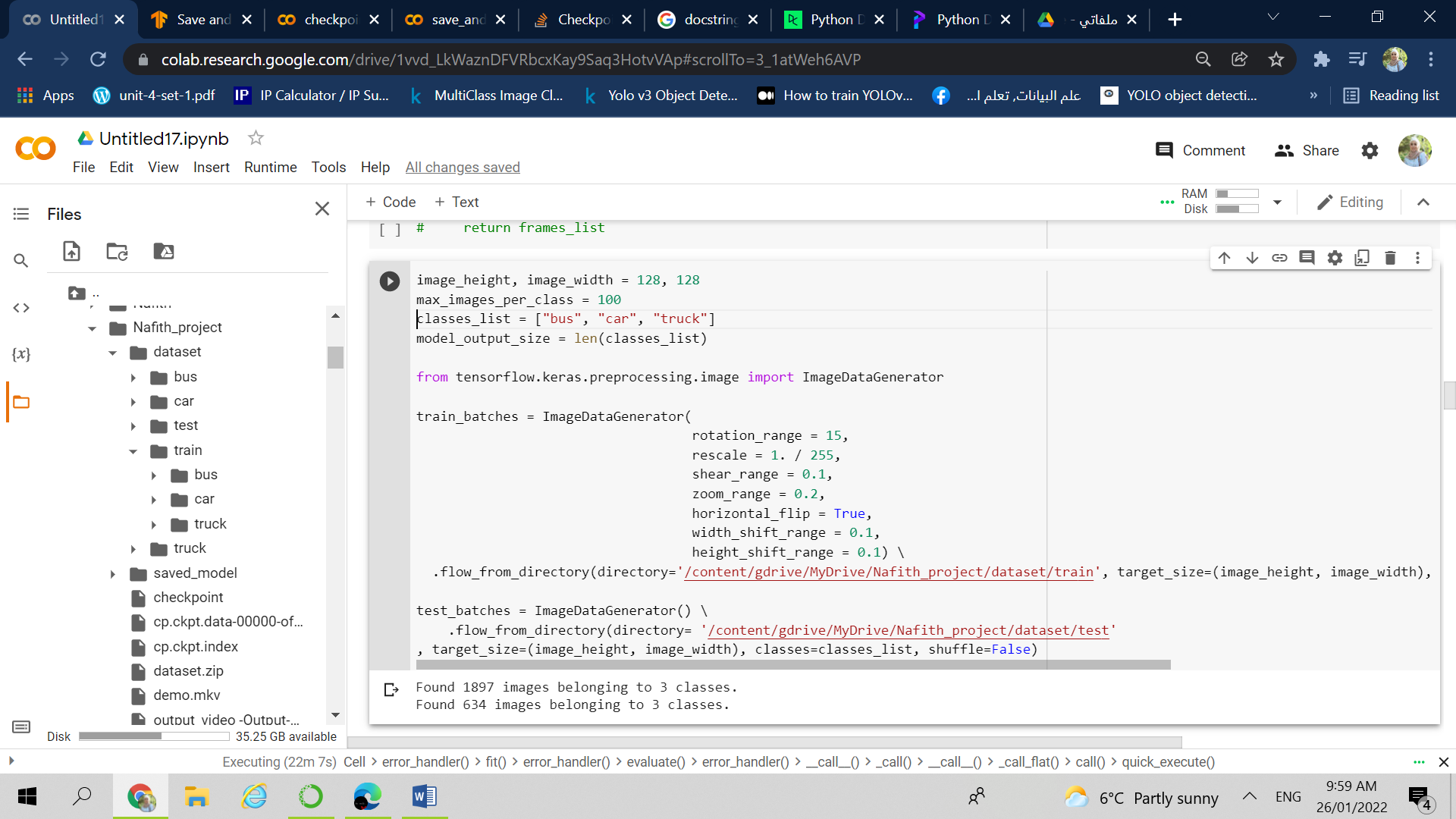
displaying one image of each class

* Displaying the first frame of our video

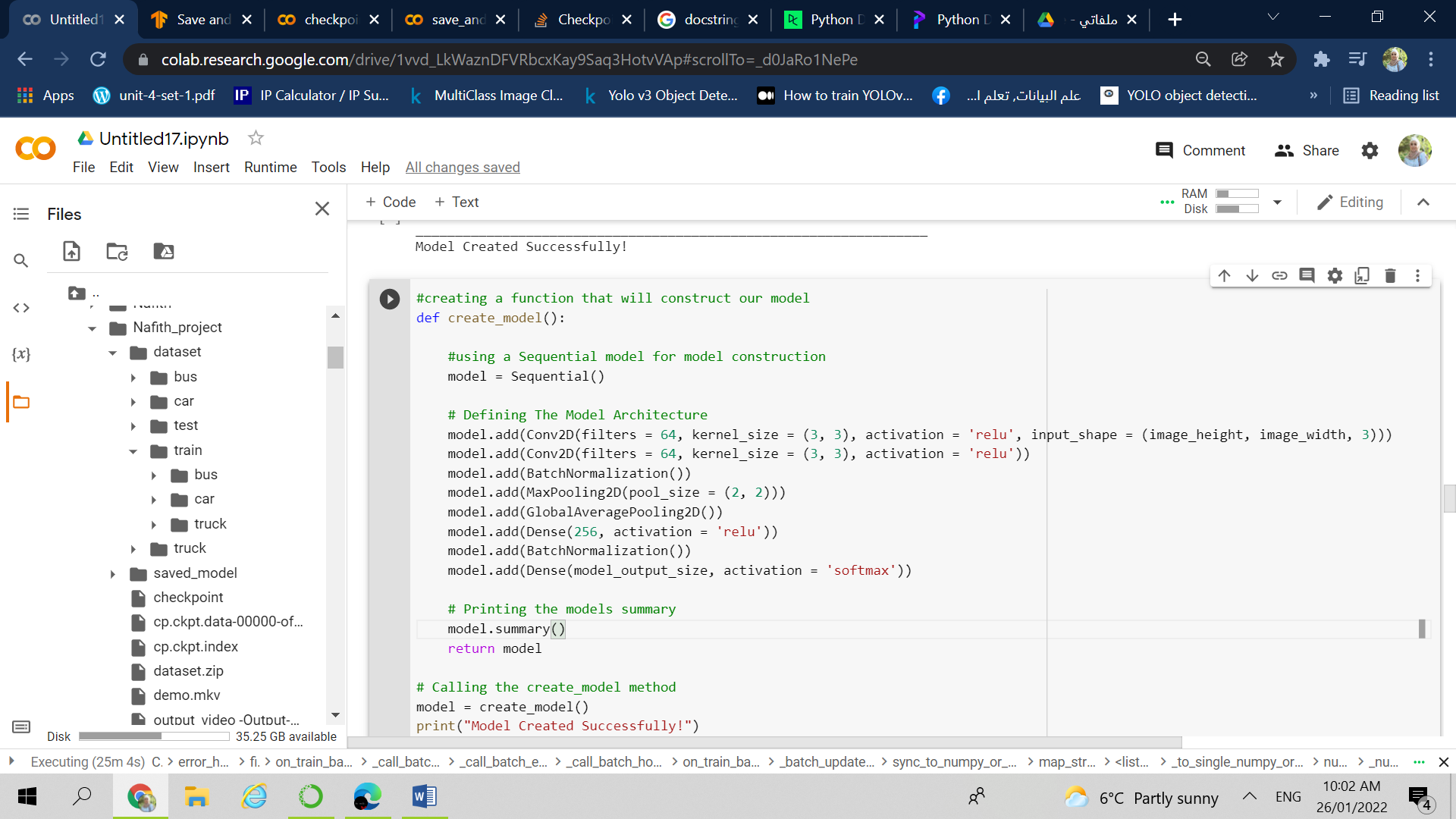


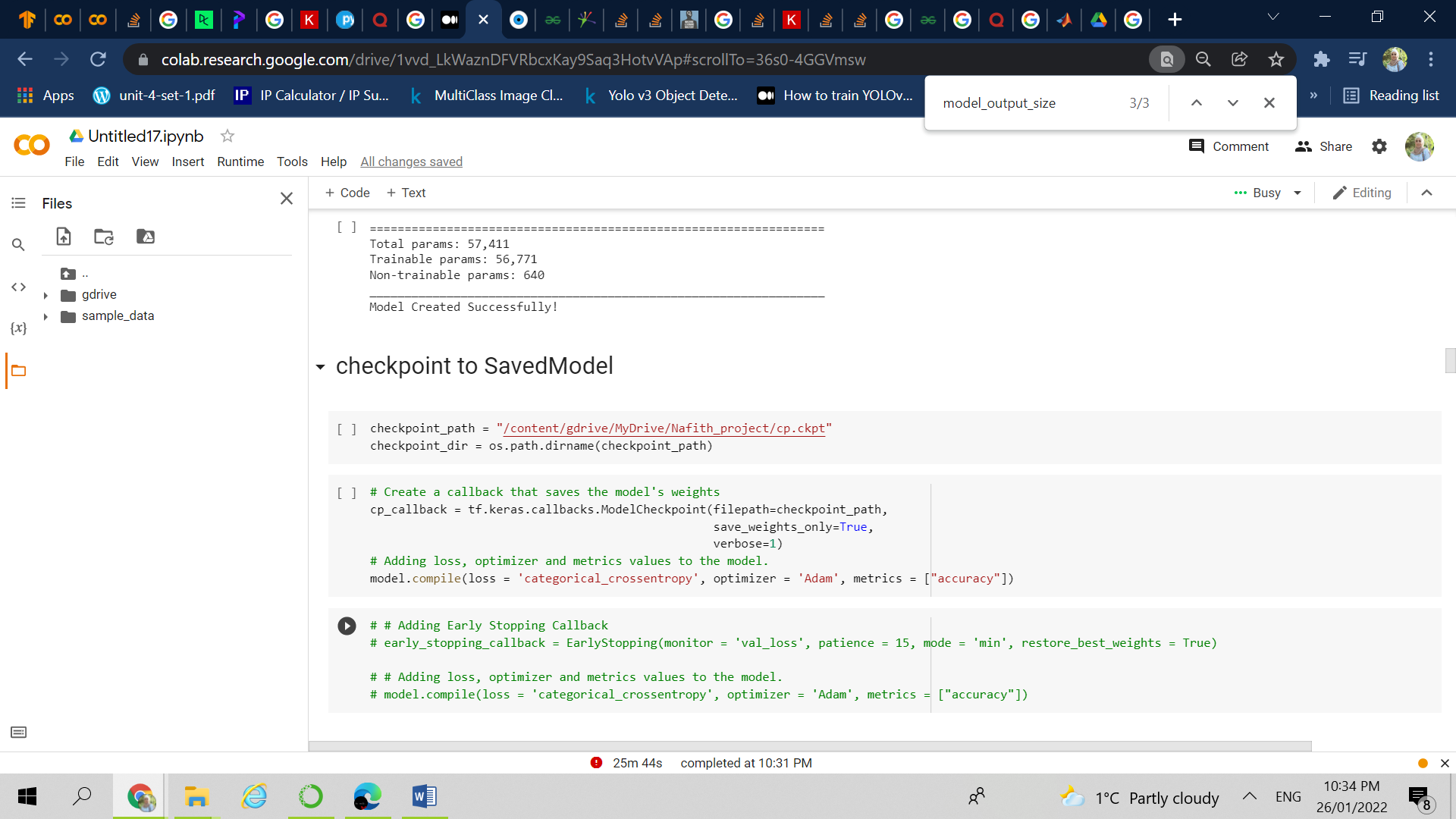


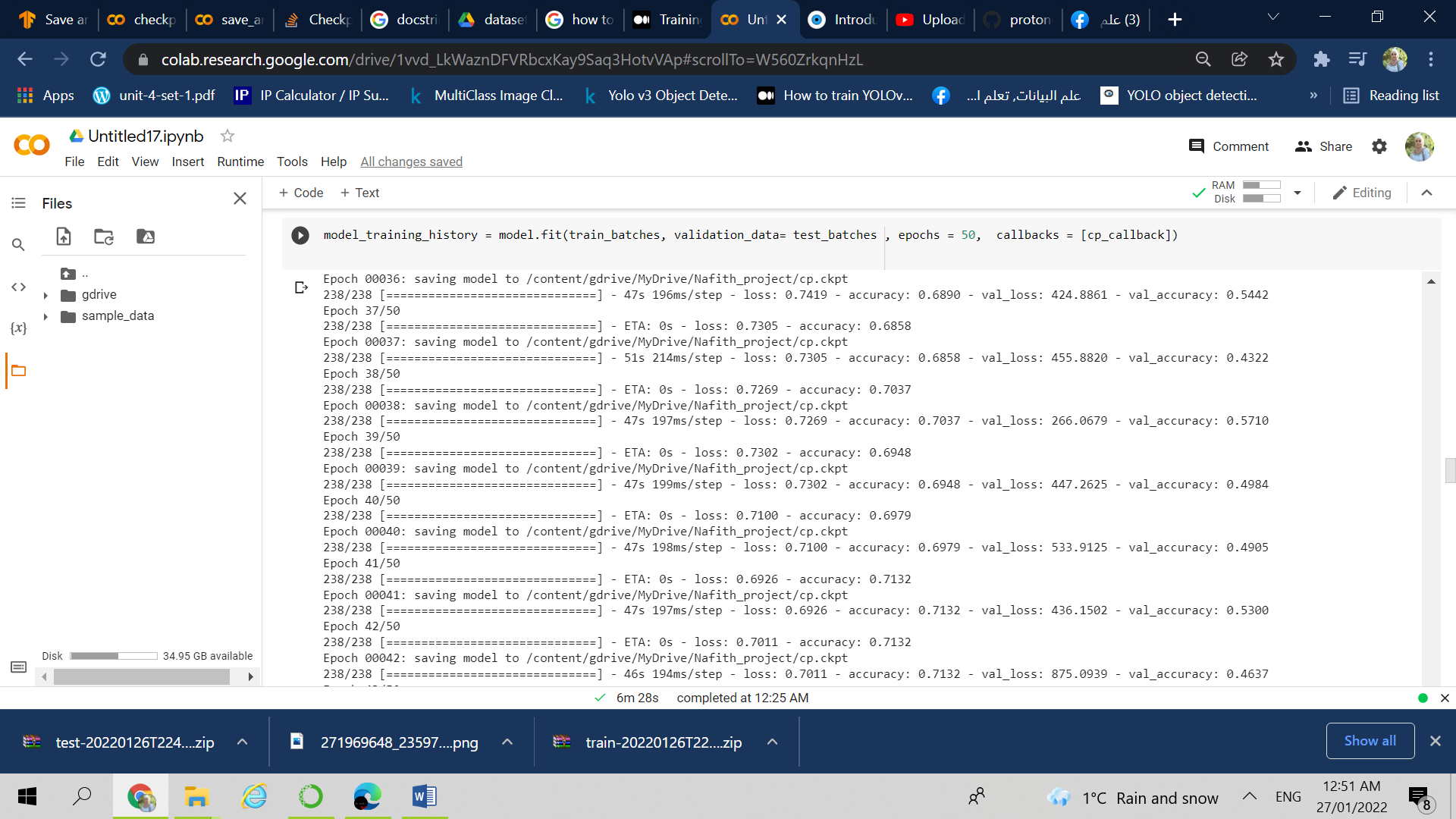
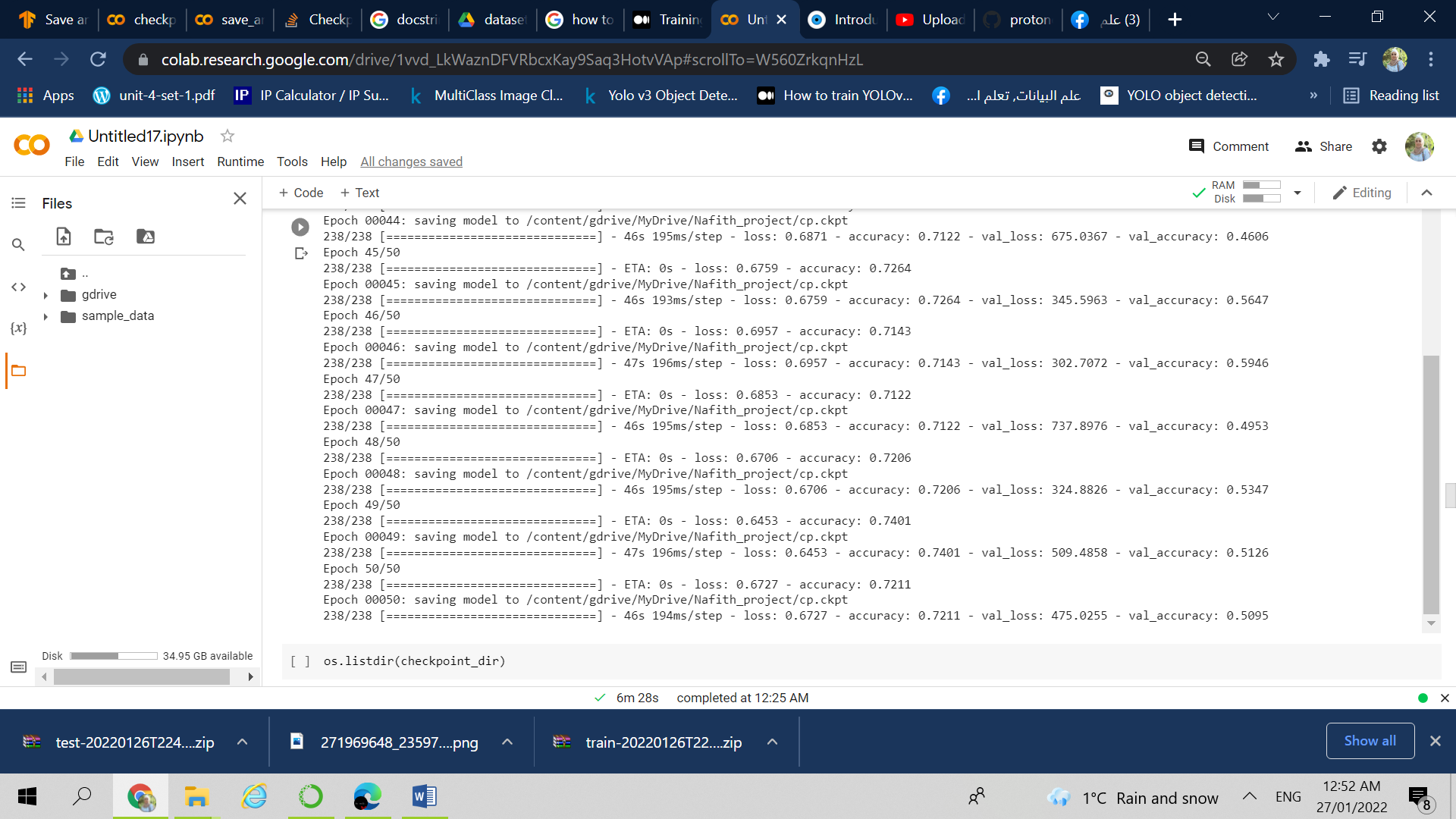
* Preprocessing the Dataset

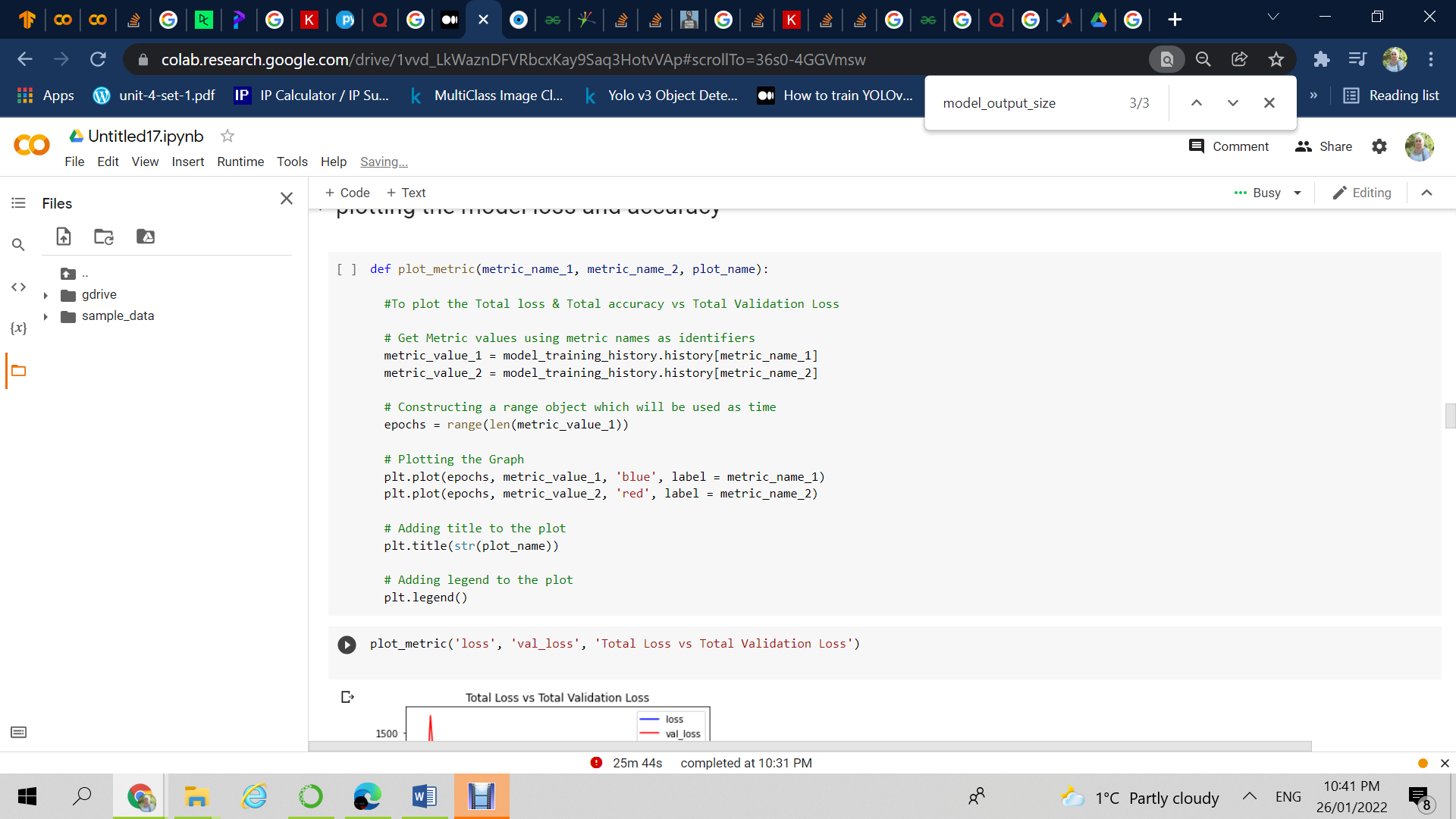


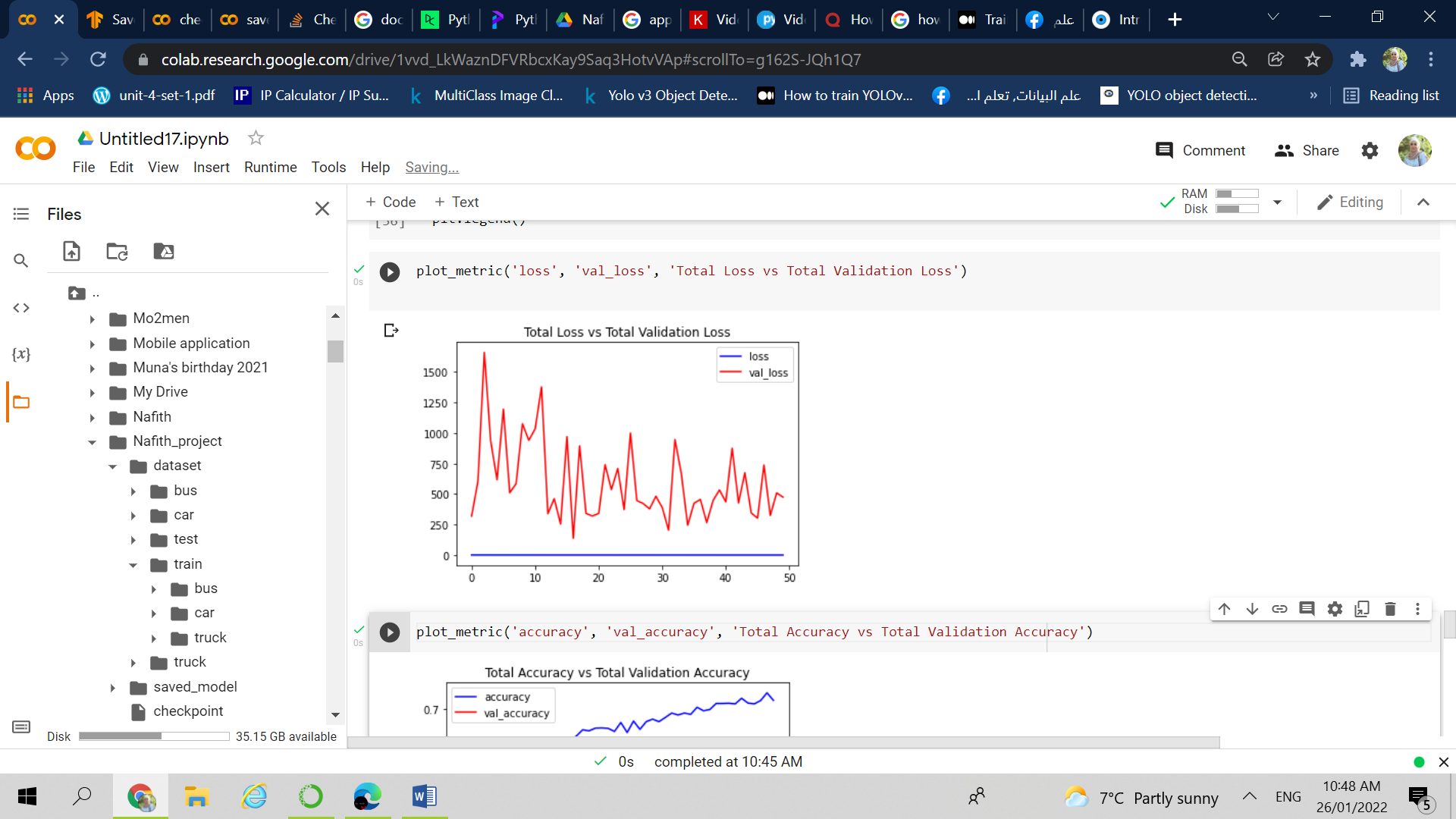
* The CNN Model
  + Building the Model Architecture

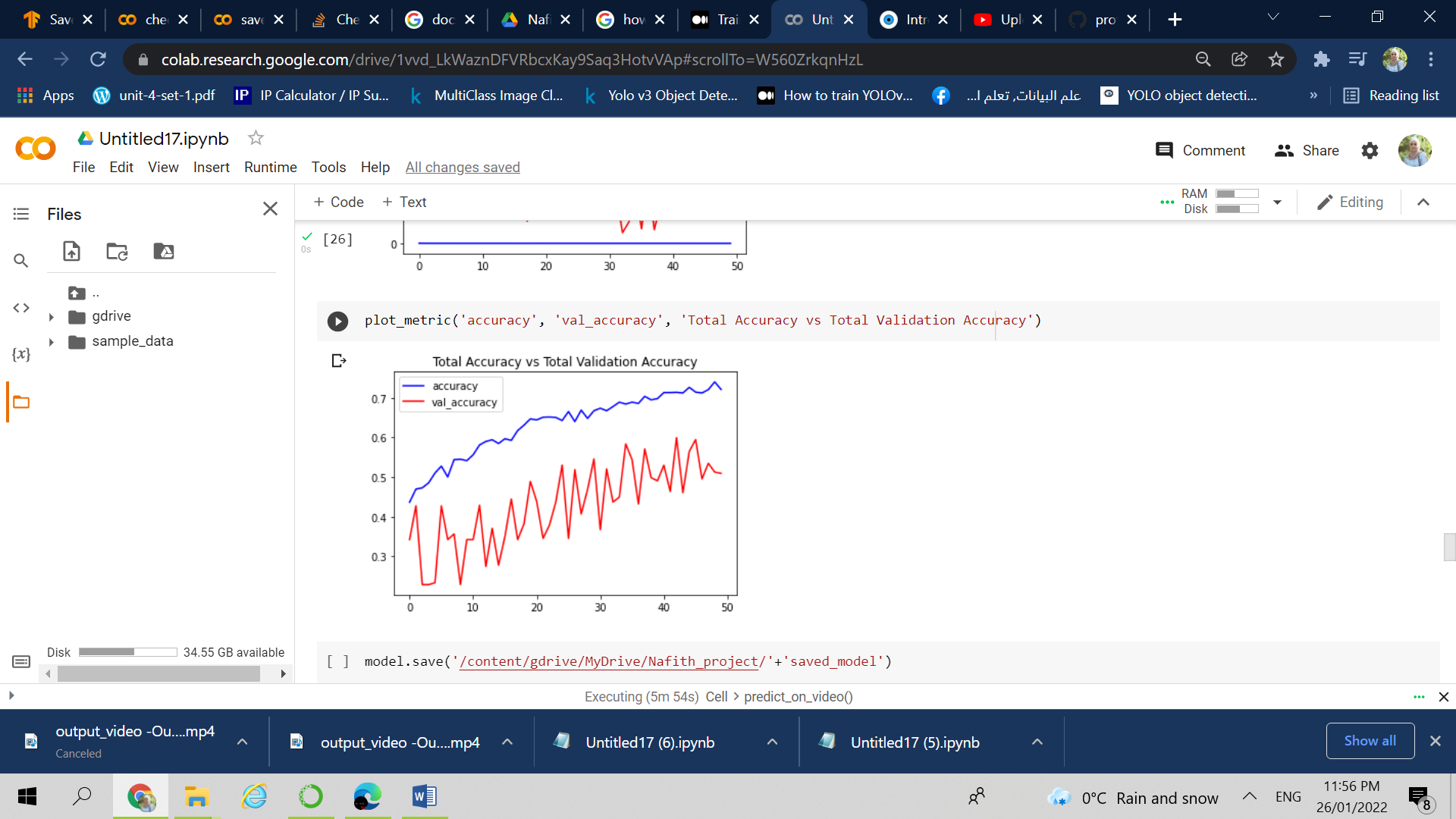


* + checkpoint to Save the mode
  + Training process

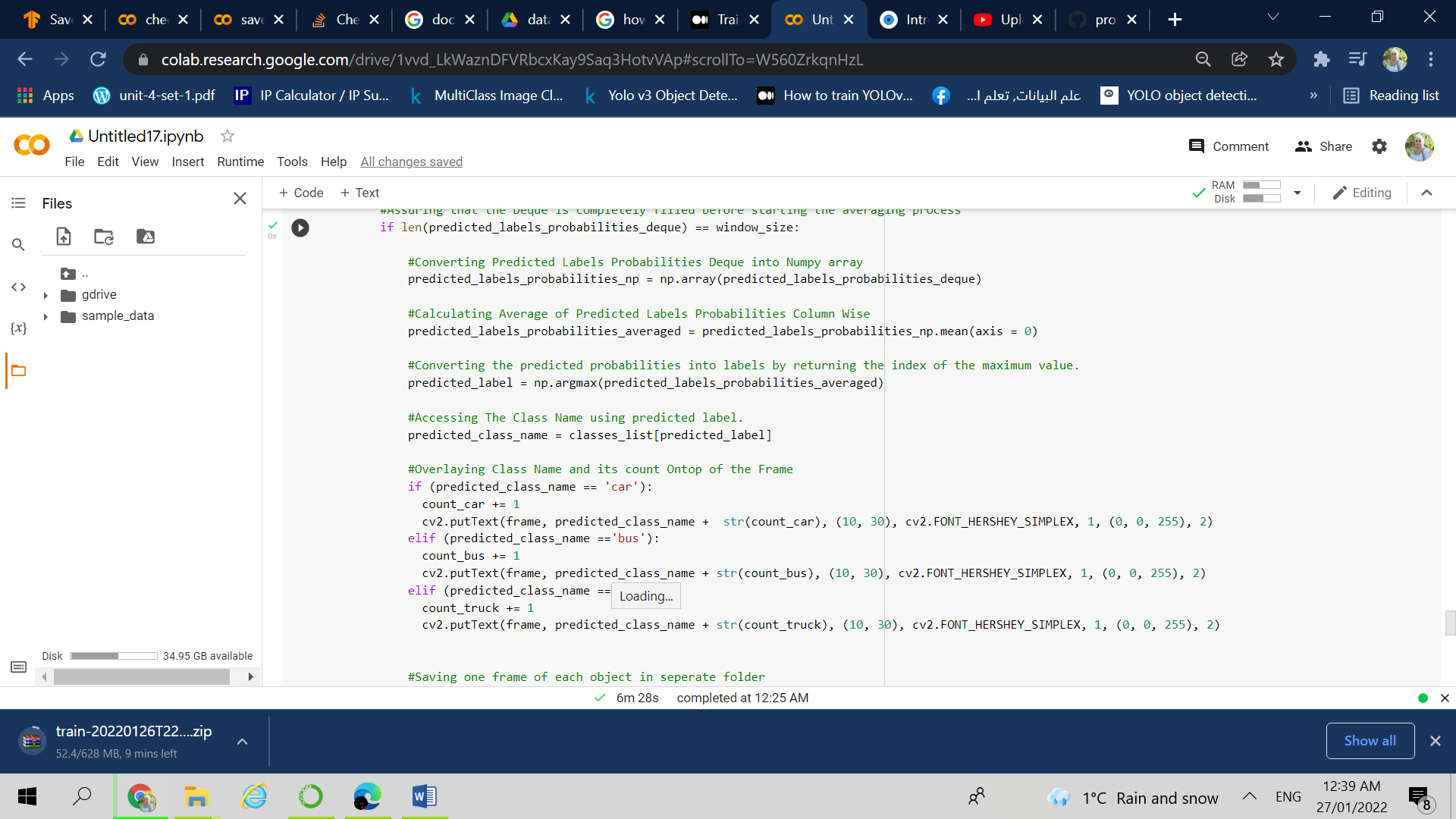


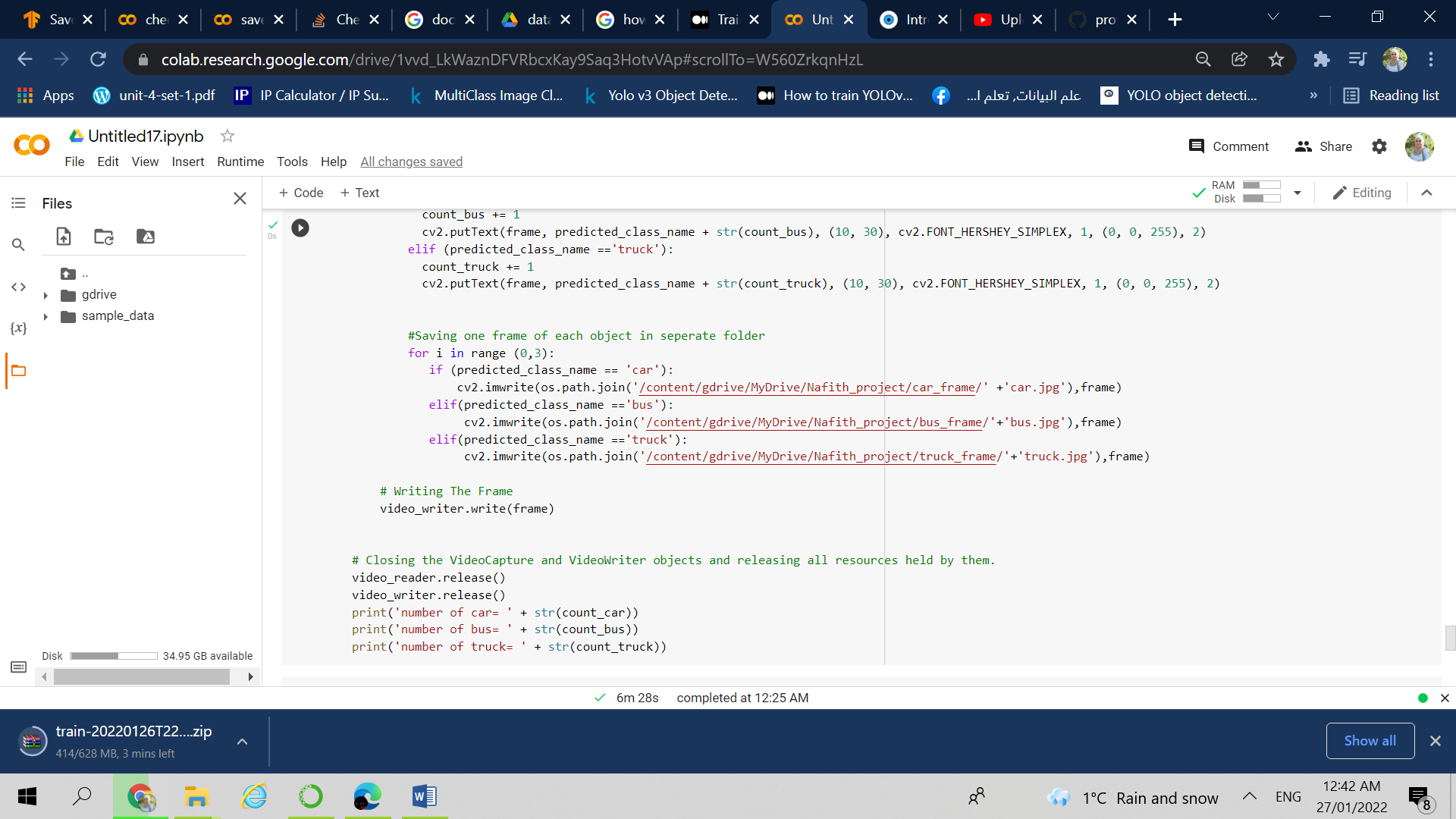
* Plotting the model loss and accuracy versus total validation loss

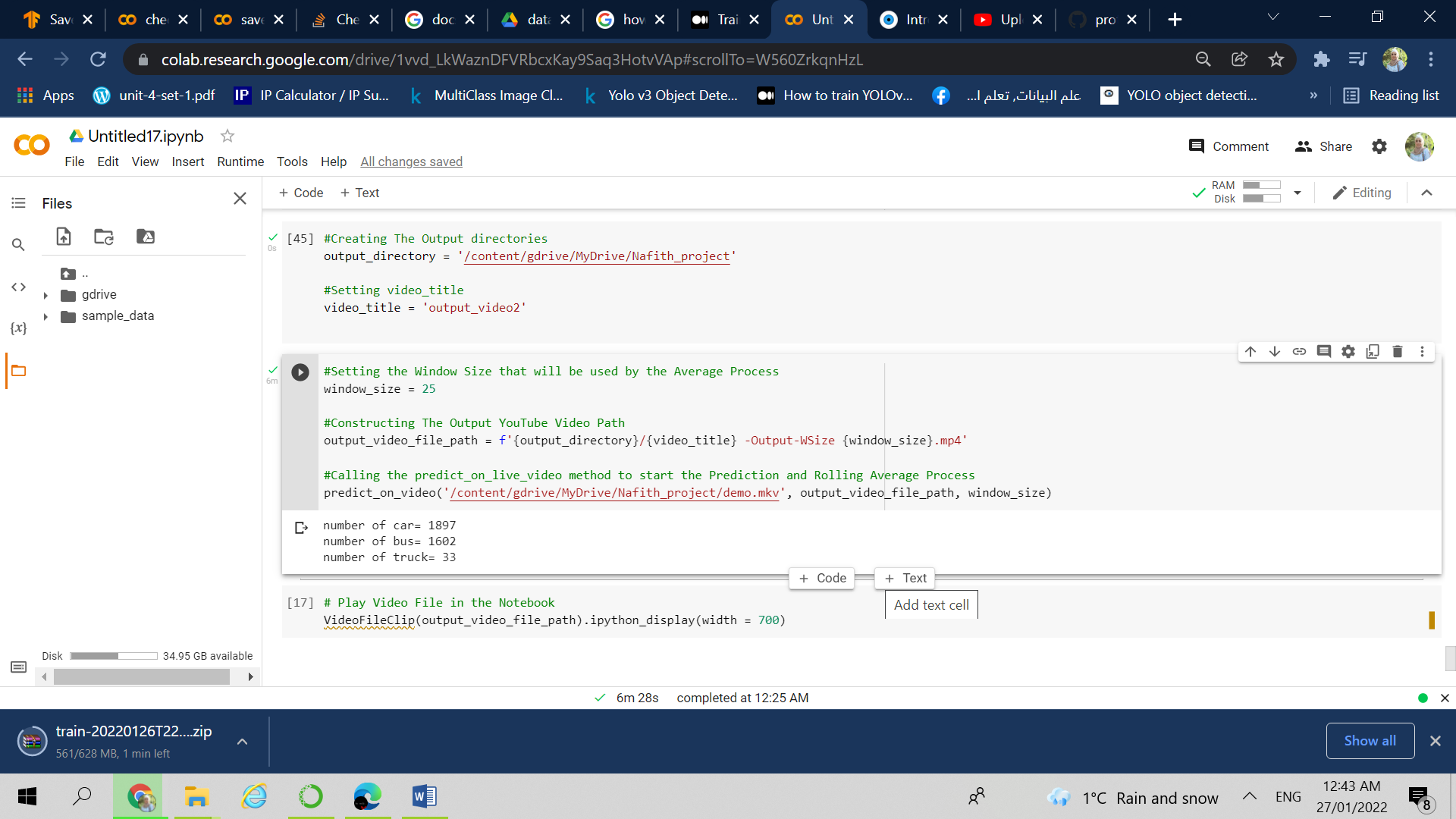




# Video classification and analysis





* Applying predicting method on our video and download output video