UPLOADING THE FILE PATHS:

The below code is run to clone the Github repository to Google Colab folder,

!git clone https://github.com/Karthika-ai/Vehicle-Detection-and-Tracking-Using-Kalman-Filter.git

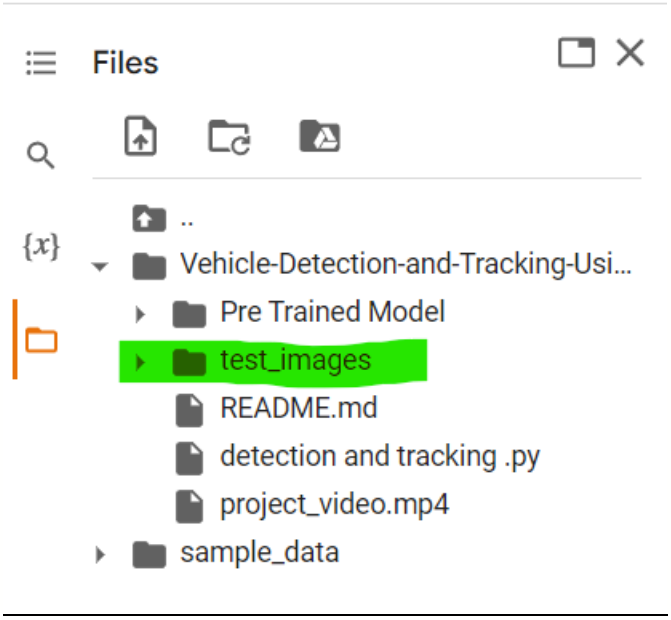
Then, all the folders in GitHub are cloned to the files folder in Google colab.

1. Loading the path of image folder into 'cwd':

```
[ ]  cwd = os.path.dirname(os.path.realpath('/content/drive/MyDrive/Colab Notebooks/KALMAN FILTER PROJECT/Klaman filter images'))
```

Steps:

Copy the below path and paste in cwd:

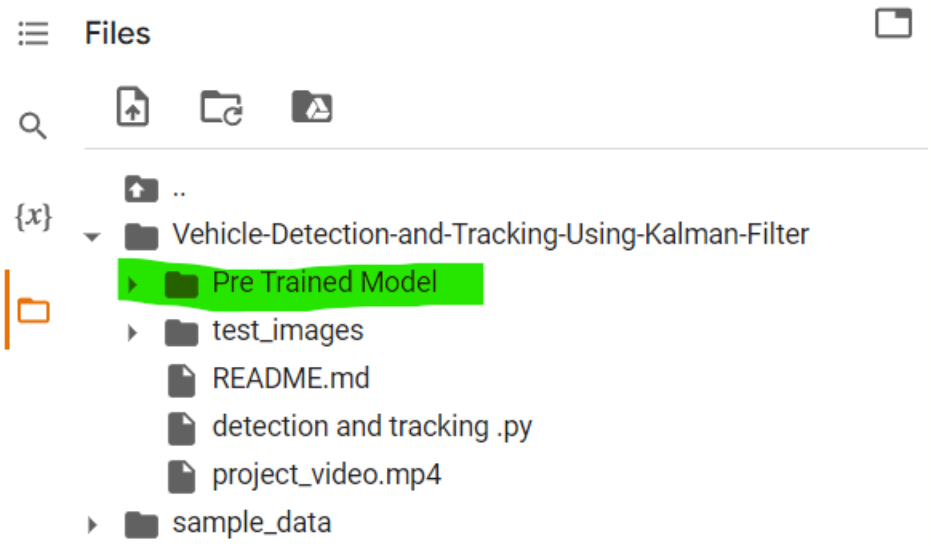


2. Adding the pre-trained model's folder path in detect_model_name:

```
class CarDetector(object):
    def __init__(self):

        self.car_boxes = []

        os.chdir(cwd)

        # Tensorflow localization/detection model
        # Single-shot-dectection with mobile net architecture trained on COCO dataset

        detect_model_name = '/content/drive/MyDrive/Colab Notebooks/KALMAN FILTER PROJECT/ssd_mobilenet_v1_coco_11_06_2017'
```

Steps:

Copy the below path and paste in detct_model_name:



3. Adding image folder path in class Tracker()at below location: everything before '/*'

```
# Visualize the Kalman filter process and the
# impact of measurement nosie convariance matrix

images = [plt.imread(file) for file in glob.glob('/content/Vehicle-Detection-and-Tracking-Using-Kalman-Filter/test_images/*.jpg')]
```

Steps:

Copy the below path and paste in detct_model_name