Step0- (optional) install CUDA and CUDNN if you want to use GPU

Step 1-inside “TruckDetect/ YoloNas\_Module”:

* python -m venv YoloNasVenv
* YoloNasVenv\Scripts\activate
* pip install ipykernel
* python -m ipykernel install --user --name=YoloNasVenv
* install pytorch.cuda based on pytorch documentation or if do not want to use gpu install torch for cpu
* pip install tensorboard
* pip install super-gradients
* pip install imutils
* pip install pytube --upgrade
* pip install onemetric
* pip install supervision
* pip install opencv-python
* pip install tqdm

step 3: download original video from this “<http://dmiftp.uqtr.ca/Public/FMeunier/ImagesETVideo/VideoCamions/>” and copy it to “truckDetect\Data” by his name “TruckVideo.mp4”

step4- inside “TruckDetect\YoloNas\_Module\Code\runs” unzip “yolo\_nas\_s.rar”

step 4: open “TruckDetect/ YoloNas\_Module” in vscode, inside Code folder open Detection.ipynb file and select YolooNasVenv as kernel and run all cells.