In [1]:
```python
1  from ultralytics import YOLO
2  from datetime import datetime
3
```

```
C:\Users\s.ezati\Anaconda3\envs\CharSeg\lib\site-packages\numpy\_distributor_
init.py:30: UserWarning: loaded more than 1 DLL from .libs:
C:\Users\s.ezati\Anaconda3\envs\CharSeg\lib\site-packages\numpy\.libs\libopen
blas64__v0.3.21-gcc_10_3_0.dll
C:\Users\s.ezati\Anaconda3\envs\CharSeg\lib\site-packages\numpy\.libs\libopen
blas64__v0.3.23-gcc_10_3_0.dll
  warnings.warn("loaded more than 1 DLL from .libs:"
```

In [2]:
```python
1  from ultralytics import YOLO
2
```

In [3]:
```python
1  model = YOLO("YOLOv8x-cls.pt")   # Load a pretrained YOLOv8n model
2  # #
```

In [6]:
```python
1  start = datetime.now()
2  model.train(data="C:/Users/s.ezati/Desktop/metaX/plate OCR/classification/
3      epochs=100,
4      imgsz=64,
5      name='yolov5x_cl_custom')   # train the model
6  end = datetime.now()
7  print(end - start)
```

```
Downloading https:\github.com\ultralytics\assets\releases\download\v0.0.0\y
olov8n.pt (https:\github.com\ultralytics\assets\releases\download\v0.0.0\yo
lov8n.pt) to yolov8n.pt...
100%|████████| 6.23M/6.23M [00:16<00:00, 407kB/s]
AMP: checks passed
optimizer: SGD(lr=0.01, momentum=0.9) with parameter groups 50 weight(decay
=0.0), 51 weight(decay=0.0005), 51 bias(decay=0.0)
Image sizes 64 train, 64 val
Using 8 dataloader workers
Logging results to runs\classify\yolov5x_cl_custom6
Starting training for 100 epochs...

    Epoch    GPU_mem       loss  Instances        Size
    1/100      1.45G     0.2635          2          64: 100%|████████| 3
124/3124 [02:21<00:00, 22.06it/s]
             classes    top1_acc    top5_acc: 100%|████████| 446/446 [00:
13<00:00, 34.03it/s]
                 all       0.983       0.999

    Epoch    GPU_mem       loss  Instances        Size
```

```
In [ ]:    1  start = datetime.now()
           2
           3  model.val()  # evaluate model performance on the validation set
           4
           5  end = datetime.now()
           6  print(end - start)
```

```
Ultralytics YOLOv8.0.132  Python-3.10.12 torch-2.0.1 CUDA:0 (NVIDIA GeForce R
TX 3060, 12287MiB)
YOLOv8x-cls summary (fused): 133 layers, 56157787 parameters, 0 gradients
```

```
    1  1:50:06.251477
```