```
!nvidia-smi
```

```
Sun Apr  9 15:53:44 2023
+-----------------------------------------------------------------------------+
| NVIDIA-SMI 525.85.12    Driver Version: 525.85.12    CUDA Version: 12.0     |
|-------------------------------+----------------------+----------------------+
| GPU  Name        Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp  Perf  Pwr:Usage/Cap|         Memory-Usage | GPU-Util  Compute M. |
|                               |                      |               MIG M. |
|===============================+======================+======================|
|   0  Tesla T4            Off  | 00000000:00:04.0 Off |                    0 |
| N/A   47C    P8     9W /  70W |      0MiB / 15360MiB |      0%      Default |
|                               |                      |                  N/A |
+-------------------------------+----------------------+----------------------+

+-----------------------------------------------------------------------------+
| Processes:                                                                  |
|  GPU   GI   CI        PID   Type   Process name                  GPU Memory |
|        ID   ID                                                   Usage      |
|=============================================================================|
|  No running processes found                                                 |
+-----------------------------------------------------------------------------+
```

```
!pip install ultralytics
from ultralytics import YOL
```
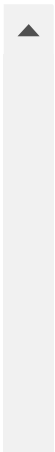
```
6.23M [00:00<00:00, 280MB/s]
 YOLOv8.0.71 🚀 Python-3.9.16 torch-2.0.0+cu118 CUDA:0 (Tesla T4, 15102MiB)
/trainer: task=detect, mode=train, model=yolov8n.pt, data=../content/drive/MyDrive/animal/animal.yaml, epochs=250, patience=!
 https://ultralytics.com/assets/Arial.ttf to /root/.config/Ultralytics/Arial.ttf...
55k [00:00<00:00, 94.2MB/s]
```

```
!yolo task=detect mode=train model=yolov8n.pt data="../content/drive/MyDrive/animal/animal.yaml" epochs
```

Panda	408	27	0.846	0.926	0.951	0.6
Snake	408	30	0.694	0.757	0.652	0.323
Tiger	408	33	0.924	0.909	0.954	0.749
Wolf	408	43	0.953	0.953	0.953	0.667
all	408	459	0.86	0.845	0.881	0.577
Boar	408	26	0.954	0.799	0.897	0.629
Cheetah	408	41	0.944	0.83	0.963	0.569
Deer	408	51	0.836	0.698	0.749	0.357
Elephant	408	56	0.754	0.768	0.796	0.318
Hyena	408	39	0.931	0.923	0.948	0.647
Jaguar	408	30	0.676	0.973	0.878	0.762
Leopard	408	40	0.838	0.75	0.886	0.629
Lion	408	43	0.974	0.856	0.948	0.675
Panda	408	27	0.846	0.926	0.951	0.6
Snake	408	30	0.694	0.757	0.652	0.323
Tiger	408	33	0.924	0.909	0.954	0.749
Wolf	408	43	0.953	0.953	0.953	0.667

Speed: 2.2ms preprocess, 3.0ms inference, 0.0ms loss, 2.9ms postprocess per image
Results saved to **runs/detect/train2**
Speed: 2.2ms preprocess, 3.0ms inference, 0.0ms loss, 2.9ms postprocess per image

6m 19s   completed at 21:33