Small Data Practice

Installation Instructions

FOR ALL:
```
source /opt/anaconda/bin/activate root
conda deactivate
```

CPU/GPU (for cuda 10; adapt the command to your own config):
```
conda create -n tp4_gpu_env python=3.7 anaconda -y && \
conda activate tp4_gpu_env && \
conda install pytorch=1.7.1 cudatoolkit=10.2 -c pytorch -y && \
conda install torchvision=0.4.2 -y
```

CPU ONLY (should work in all cases):
```
conda create -n tp4_cpu_env python=3.7 anaconda -y && \
conda activate tp4_cpu_env && \
conda install pytorch=1.7.1 -c pytorch -y && \
conda install torchvision=0.4.2 -y
```

Description of the dataset

50 000 labeled images spanning 10 classes.
Tests are run on 10 000 test images.
Each image has dimension 32 x 32 and 3 color channels.

In the context of this Practice : we only use the labels of the 100 first images