Readme file for HW1-ex4

# General

The code was written using Colab, to use the file follow these steps:

First, you have to mave/copy this folder to “my drive” from “shared with me”. Otherwise, you will not be able to load or save any model to the exercise folder.

The exercise folder can be found on the Google Drive server in the following directory:

<https://drive.google.com/open?id=1WcDN_CKjdSINHvPH4yJ-zxu9gHyViNkU>

# Train new models

For training a new models run the sections in the following order :

1. General setup
2. LeNet-5 Classes
3. Training function
4. The relevant training method: (each section trains a new model)
   1. Training without regularization
   2. Training with dropout
   3. Training with weight decay
   4. Training with batch normalization

# Evaluate the trained models

Here, the code evaluate and compared all 4 models.

To load and test (compare) the saved models, run the sections in the following order

1. General setup
2. LeNet-5 Classes
3. Load a Saved Model
4. Test and compare the models