Transfer Learning:

Transfer learning is a technique used in deep learning by using the pretrained model for training on a new dataset instead of starting from scratch.

Differences between Neaclass1 and Neaclass 2 is we included weights of the resnet model trained on imagenet1K and then trained the resnet on neaclass dataset. Also we used a scheduler when training the resnet model in neaclass 2

Adding the scheduler in this notebook did not make a huge difference but there is a controlled way of changing the learning rate. Where as the notebook 2 had a huge impact on the scheduler as since there are weights already imported with the model and the learning rate should be controlled instead of a constant rate.

Difference between Neaclass 2 and Neaclass 3 is that we fixed the weights and did not change any of the pretrained weights which is why the accuracy of the neaclass3 notebooks training is a bit lower.