**Implementing Denoising Algorithm on CIFAR-10 dataset**

CIFAR-10 dataset consists of:

1. 60,000 color images (50,000 training and 10,000 testing)
2. Each of size 32 x 32
3. 10 classes with 6,000 images per class

Algorithm used: Auto-Encoder

**Task 2**

SODA: Detecting Covid-19 in Chest X-rays with Semi-supervised Open Set Domain Adaptation

* Key challenge to control COVID-19 is how quickly, widely and effectively tests for the disease can be conducted. Radiological imaging is done to speedup diagnosis.
* Deep Learning models are trained on chest x-ray images for COVID-19 diagnosis. Because a large COVID-19 dataset is not available, usually already existing CNN models are taken, later fine tuned on a smaller COVID-19 dataset.