Task 4

The CIFAR-10 dataset has 60000 32x32 images with 10 different classes. So, 6000 images per class.

The classes are plane, car, bird, cat, deer, dog, frog, horse, ship and truck and the task is to create a neural network for this dataset.

documentation

<https://pytorch.org/docs/stable/index.html>

reused this code from the tutorial 9 cactus\_classification to allow me to plot a loss by epoch graph to visualise the learning

train\_loss+=loss.item() \* data.size(0)

train\_loss = train\_loss/len(train\_loader.sampler)

train\_losses.append(train\_loss)

link I used to learn the dataset and to learn how to manipulate my data to make it useable

https://medium.com/@sergioalves94/deep-learning-in-pytorch-with-cifar-10-dataset-858b504a6b54