Setting up your local GPU environment

Some help for using GPU on your local machine (if an Nvidia GPU is available):

The sequence of tasks to enable/use GPU version of PyTorch locally in your machine:

1. Create a new python environment (giving it a new name) by following the same instructions used to create the `WM391` environment used throughout this module (i.e, steps 1-8 there).
2. Install the GPU version of pyTorch by typing the command in the anaconda prompt after activating the new environment:

```
conda install pytorch torchvision torchaudio pytorch-cuda=11.6 -c
pytorch -c nvidia
```

   The above command is for a widows operating system, as I will use a windows machine to evaulate your code. *For your information:* Complete set of installation options can be found from the offical website.

3. After installation you can check the availability of GPU version of pyTorch using command: `torch.cuda.is_available()`

If you have access to an older CUDA capable graphics device you can install older compatible pytorch version following official instructions here. **Please note** this may lead to further compatibility or other technical isses, I recommend using colab if the default setup instructions do not work on your machine.

Please update the driver of your graphics card so that it is compatible with the cudatoolkit version installed. Version compatibility is described in detail the following webpage