Read Me:

Using MNIST Dataset present in sample datasets of pytorch library tensorvision.

1. Extract the data.
2. Load the data into train and test set, check for class imbalance.
3. Build neural net using torch.nn
4. Define class with init and forward functions, init for initializing the layers and forward for applying the activation function on each of the layer. The hidden layers are built using RELU activation function and the output layer is built using softmax function.
5. Define an optimizer and the loss to be defined based on the target output we want to achieve as the output for MNIST is numeric type, so we use nll\_loss function.
6. Once the loss is calculated this loss is sent backward and this process can be ran multiple type by declaring number of epochs for which you want to train the neural net.
7. Calculate the accuracy