Assignment

To complete the assignment:

1. Install PyTorch Lightning and other necessary packages until you can run the above PyTorch Lightning Example script. The script will also automatically download the Oxford-IIIT Pet Dataset (approximately 800mb in size). If your script is running correctly, it should be showing a training progress bar. **YOU DO NOT NEED TO RUN THE PROGRAM UNTIL THE NETWORK IS FULLY TRAINED.**Just make sure it works.
2. Using the template above, convert the car classification code you used in Lab 6 to run in PyTorch Lightning. You should run the code long enough to generate Tensorboard or CSV data. **YOU DO NOT NEED TO RUN THE PROGRAM UNTIL THE NETWORK IS FULLY TRAINED.**Just make sure it works.
3. To submit your assignment, submit your code for the car classification network in PyTorch Lightning. Also submit a screenshot of your Tensorboard display or CSV file.

**Note**: You will need to split the training data into training/validation data. You can do so using the line

train\_dataset, validation\_dataset = torch.utils.data.random\_split(train\_dataset, [int(len(train\_dataset)\*0.8), int(len(train\_dataset)\*0.2)])