Tutorial 6: Training Neural Networks with Google Colab and GPU

1. Download the notebook from Blackboard and upload it through https://colab.research.google.com/. Run the notebook (with some errors) using Google Colab. Correct the errors and compare the performance of the models MLP and CNN.
2. Modify the code to implement a linear model with softmax regression.
3. Implement an MLP with 2 hidden layers and check its accuracy.
4. Implement an MLP with 2 identical hidden layers and check its accuracy.
5. Implement a CNN with 3 convolutional layers using 2x2 convolution kernel and check its accuracy.