Homework 3 for DTSC740 (Deep Learning) Due December 13, 2023

(50 points) In this problem, you are asked to train and test the LeNet for entire CIFAR-10 colorful image dataset. You need to modify LeNet for this problem. Performance requirement and submission are detailed as follows:

– The test accuracy should achieve above 50%

– You need to submit three results:
  1. network without dropout/batch normalization
  2. network with one additional dropout layer
  3. network with one additional batch normalization

  Compare the results in your submission.

– **What to submit:** Submission should include your source codes and screen snapshot of your train and test accuracy, plus the training time