Homework 3 Comments

- **Does combining all augmentations improve things further?**

  Yes, combing all augmentations gave better test accuracy. The difference was not clear in 100 epochs. Training the model for 1000 epochs gave a better insight into improvement.

- **Role data augmentation.**

  With the augmentation, the test accuracy definitely improves, the training accuracy needs more epochs to reach 100%. The optimization becomes difficult to converge. Augmentation does give a regularizing effect that precludes the model to fit the noise of data. As a result, the training loss and accuracy converge slowly but the test accuracy is improved.