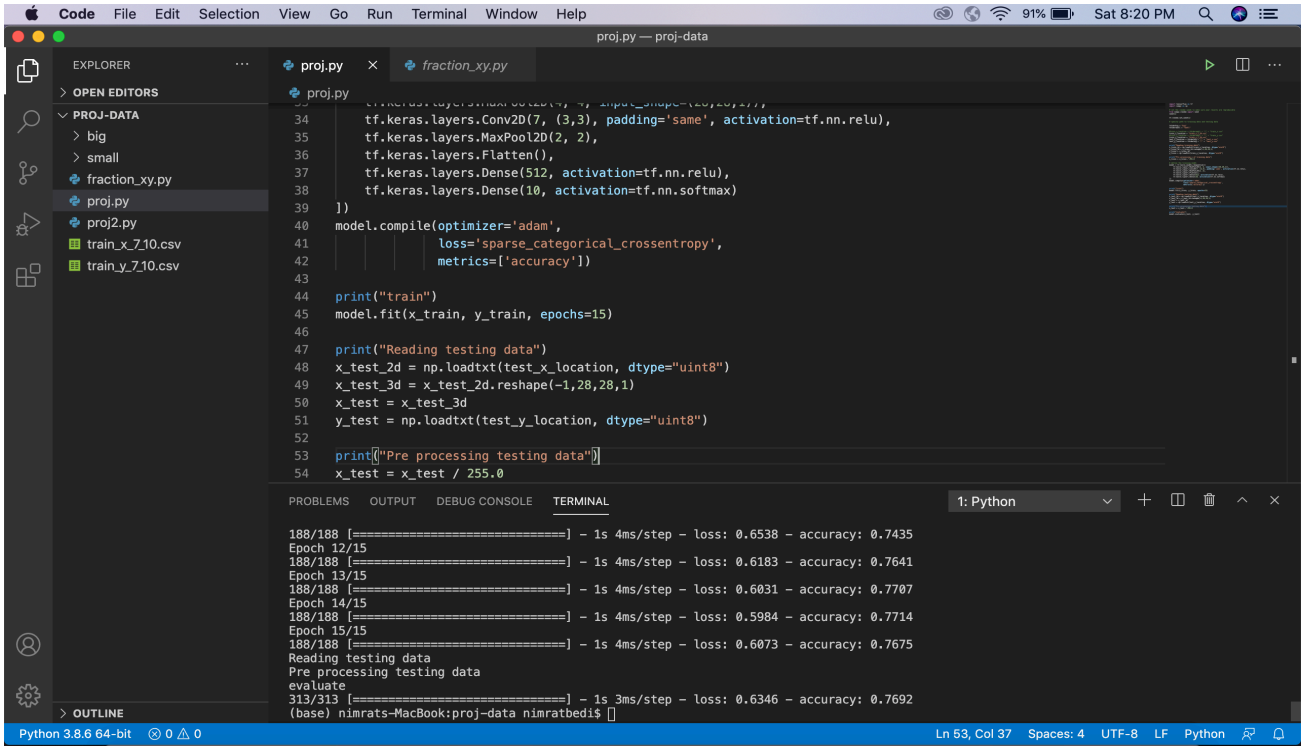
PROJECT 2

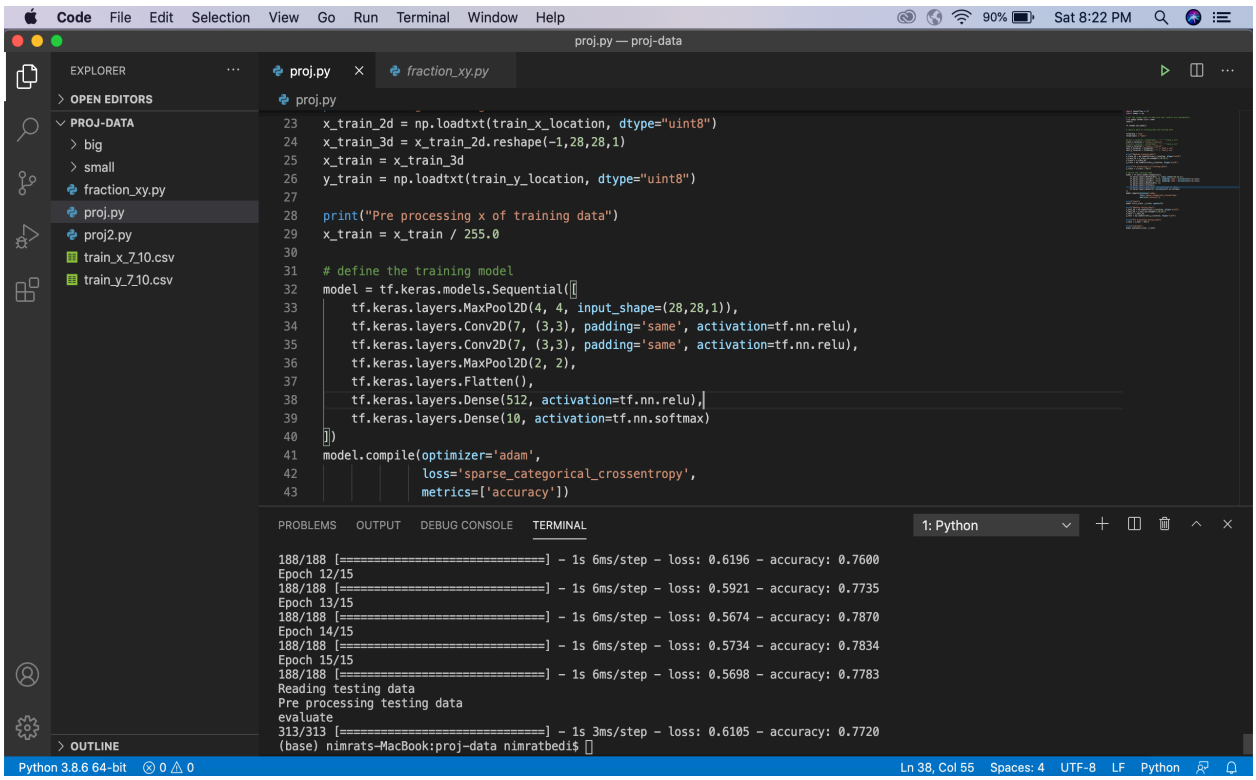
Experiments with Convolutional Neural Network in TensorFlow

When train_x_7_10.csv and train_y_7_10.csv was runned accuracy was 0.7144

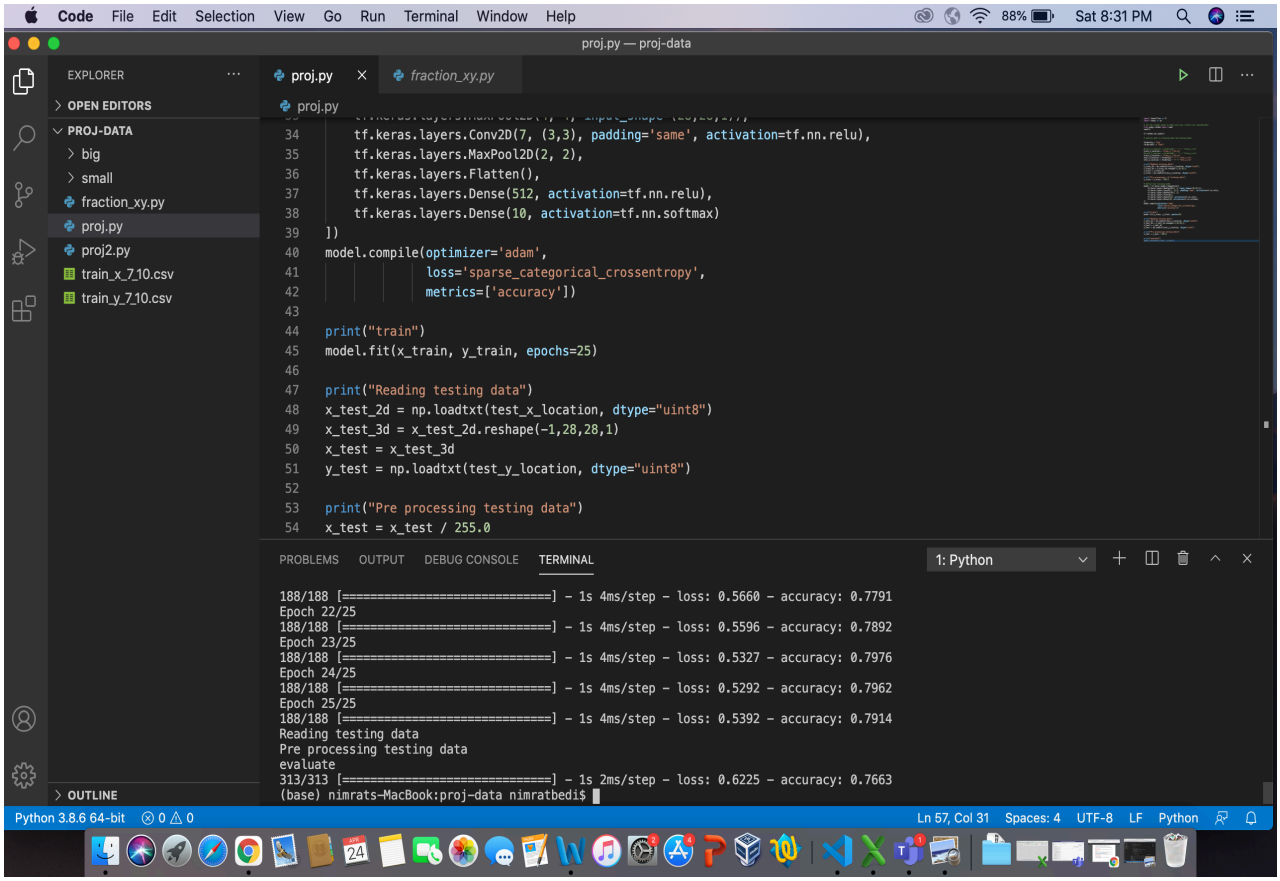
1) When epoch value changed from 5 to 15 then the accuracy changed from 0.7144 to 0.7692



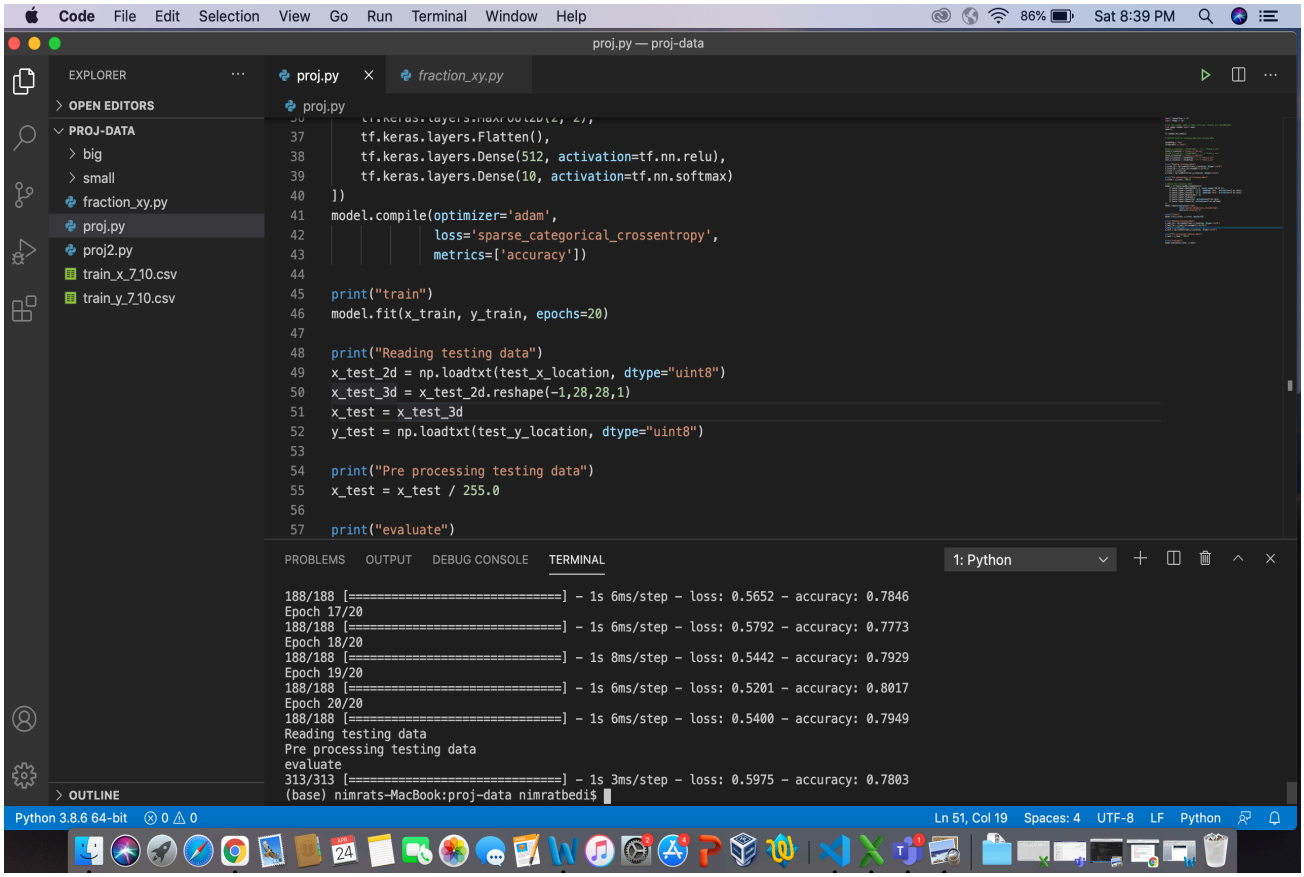
2) Now with epoch value = 15 and network changed (now instead of 6 layers with 7 layers – additional Conv2D layer
Accuracy increased to 0.7720



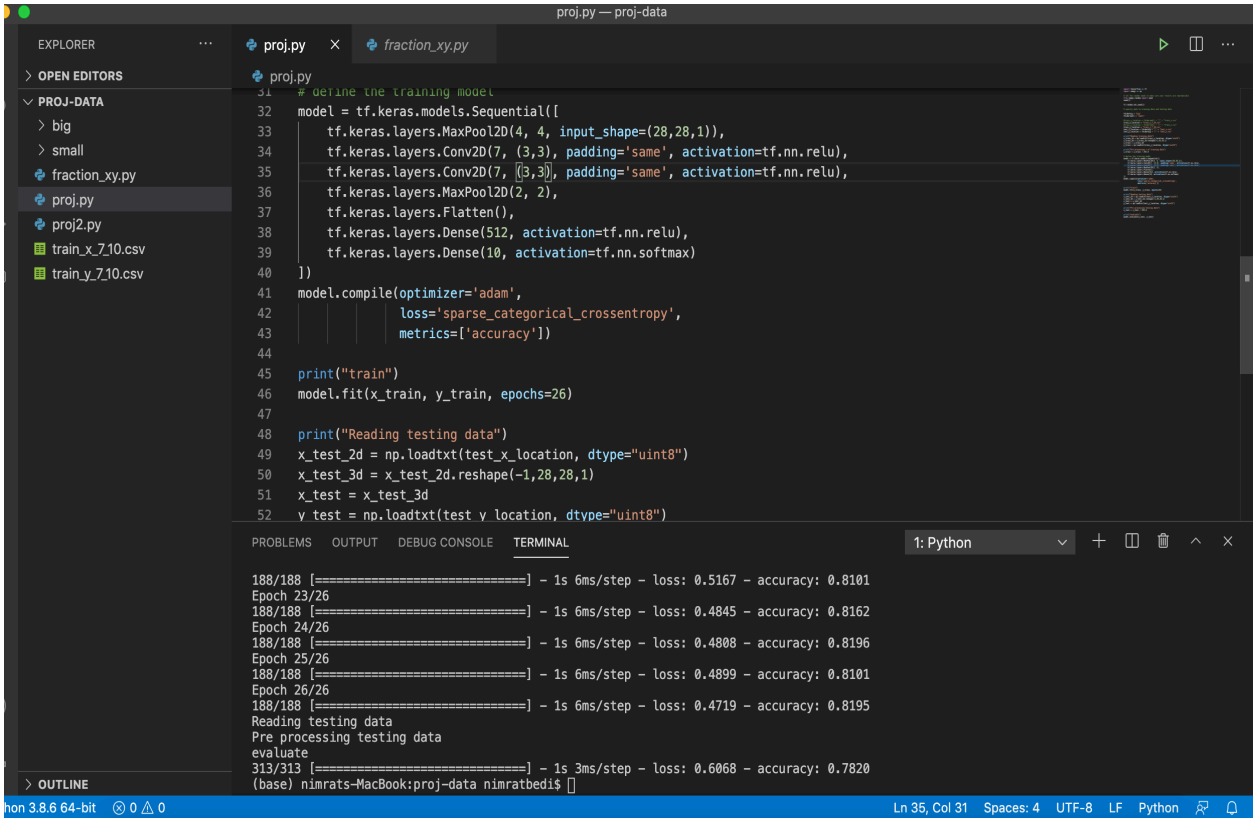
3) Now with epoch value = 25 and network has 6 layers then we had accuracy after 25 epoch to be 0.7914 under 4 mins. But testing accuracy is 0.7663



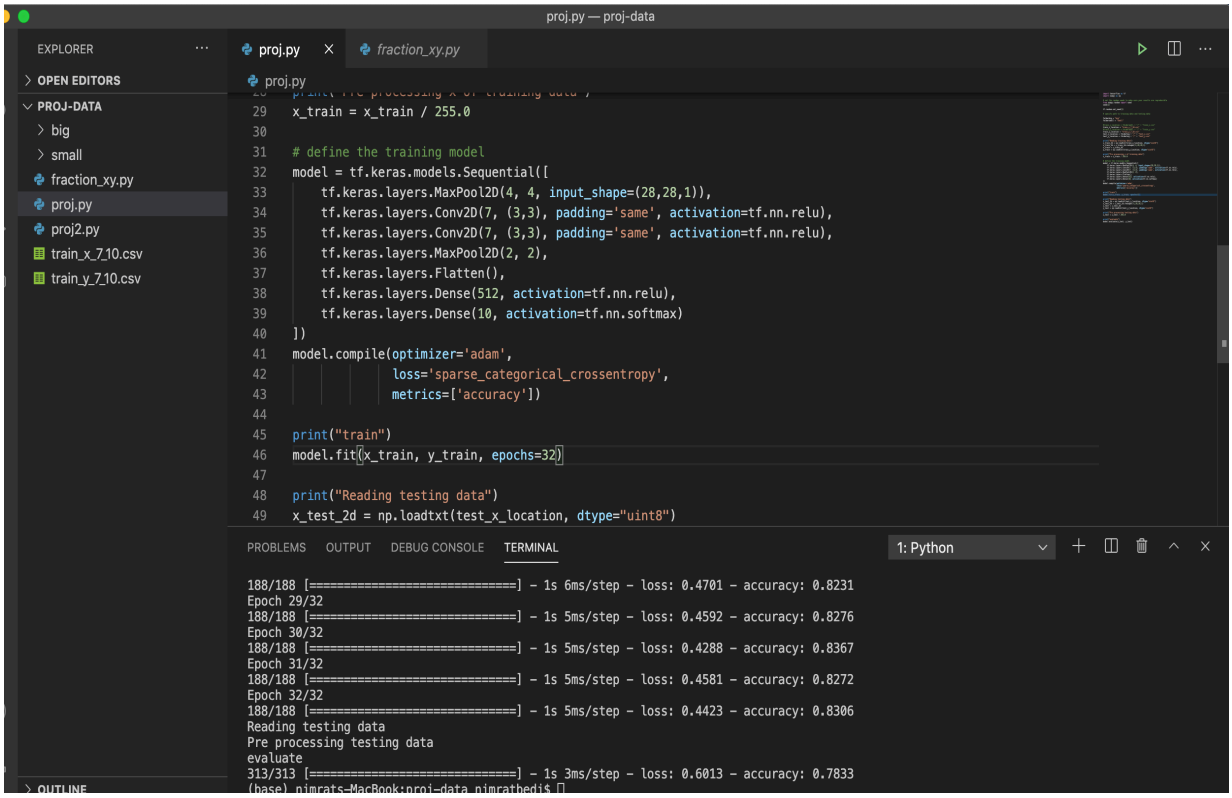
4) When epoch = 20 and network changed (now instead of 6 layers with 7 layers – additional Conv2D layer
Accuracy increased to 0.7803



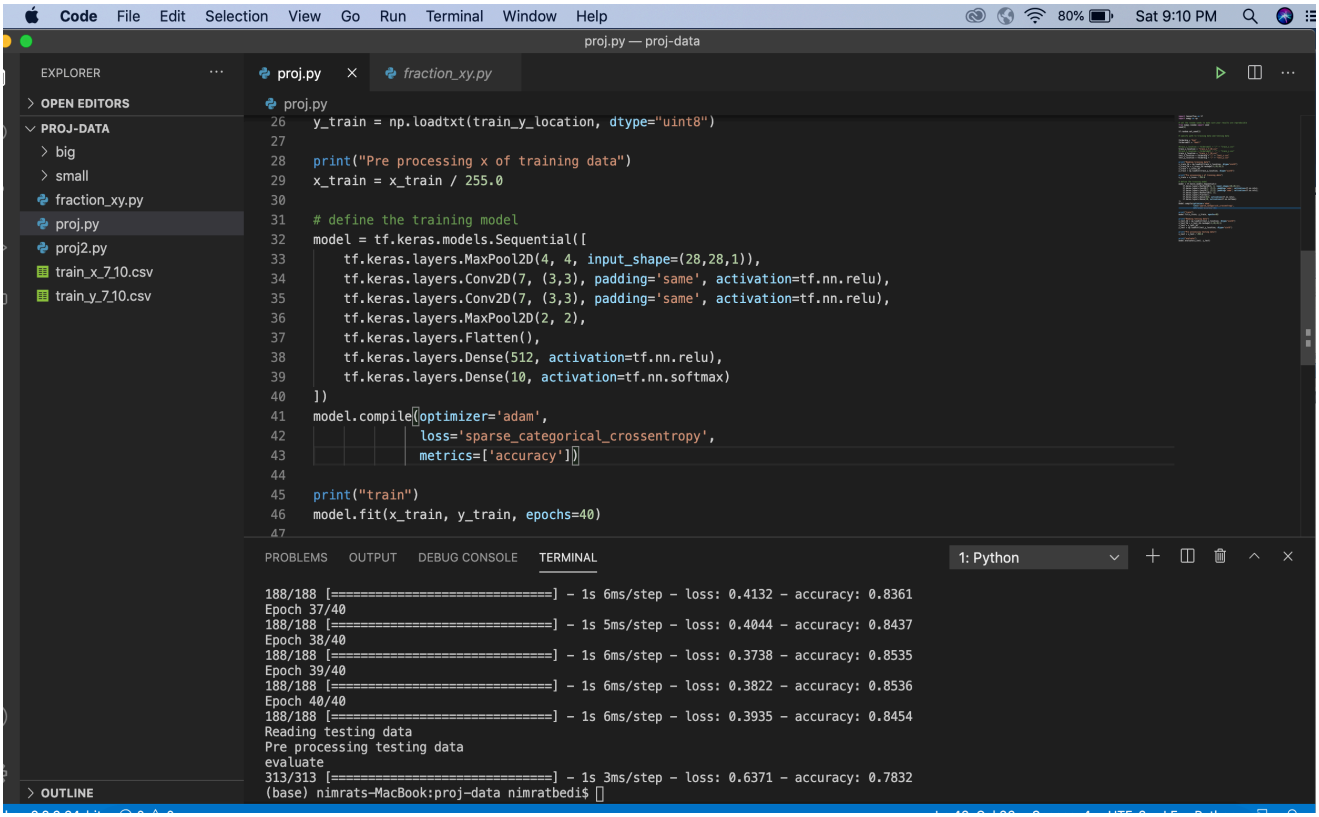
5) When epoch = 26 and network changed (now instead of 6 layers with 7 layers – additional Conv2D layer
Accuracy increased to 0.7820



6) When epoch = 32 and network changed (now instead of 6 layers with 7 layers – additional Conv2D layer
Accuracy increased to 0.7833



7) When epoch changed to 40 the accuracy came out to be 0.7832



So after many trial and error the best accuracy turn out to be 78.33% before any error it was 71%