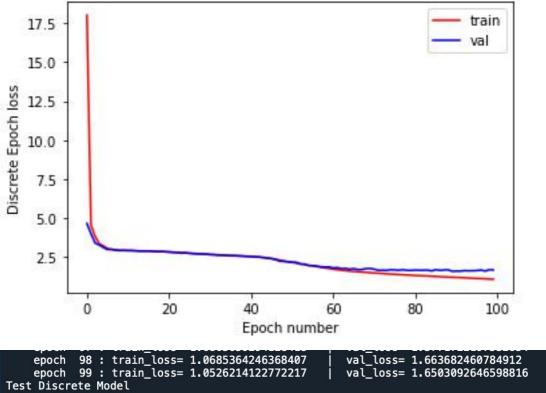
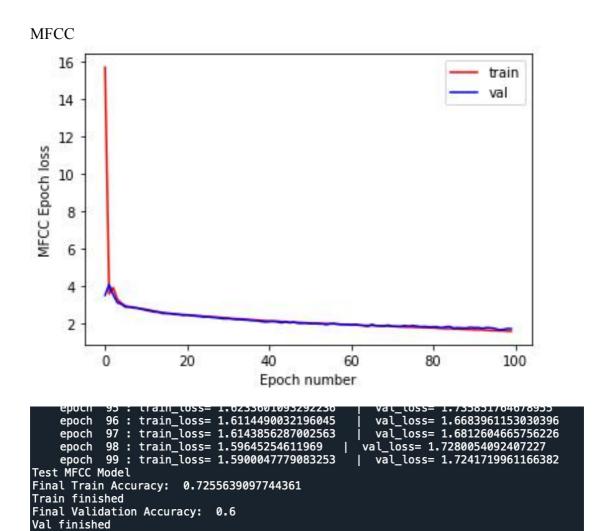
Project III Ziyan Li

The dataset, model, and main code would be provided in the zip file. **Discrete:**



epoch 98: train_loss= 1.0685364246368407 | val_loss= 1.663682460784912 epoch 99: train_loss= 1.0526214122772217 | val_loss= 1.6503092646598816 Test Discrete Model Final Train Accuracy: 0.9172932330827067 Train finished Final Validation Accuracy: 0.9125 Val finished

The training loss and Val loss of the discrete model are shown on the plot above with the training and validation accuracy. The loss converged after 10 epochs and the accuracy is high.



The training loss and Val loss of the contrastive model are shown on the plot above with the training and validation accuracy. The loss converged after 10 epochs as well but the accuracy is not very optimistic.