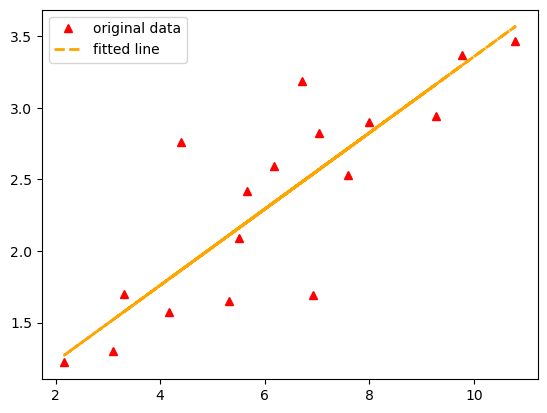
LAB Logbook

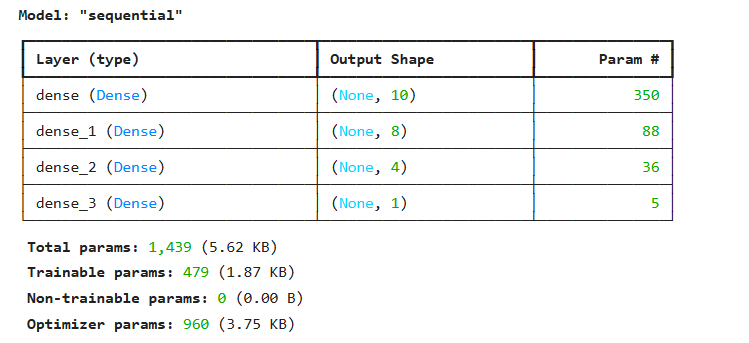
Lab 1



Lab 2

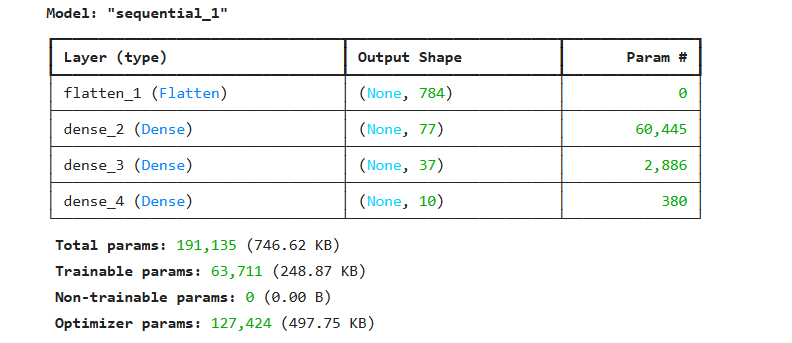
**Test accuracy: 0.887**

**The output of the neural network is O1=O2=0.81**

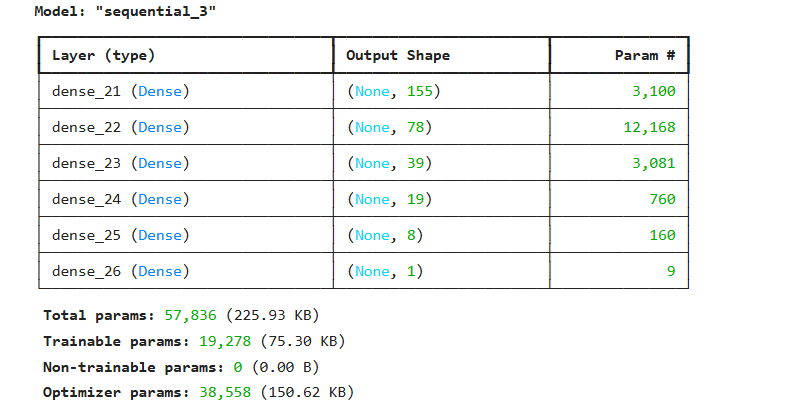


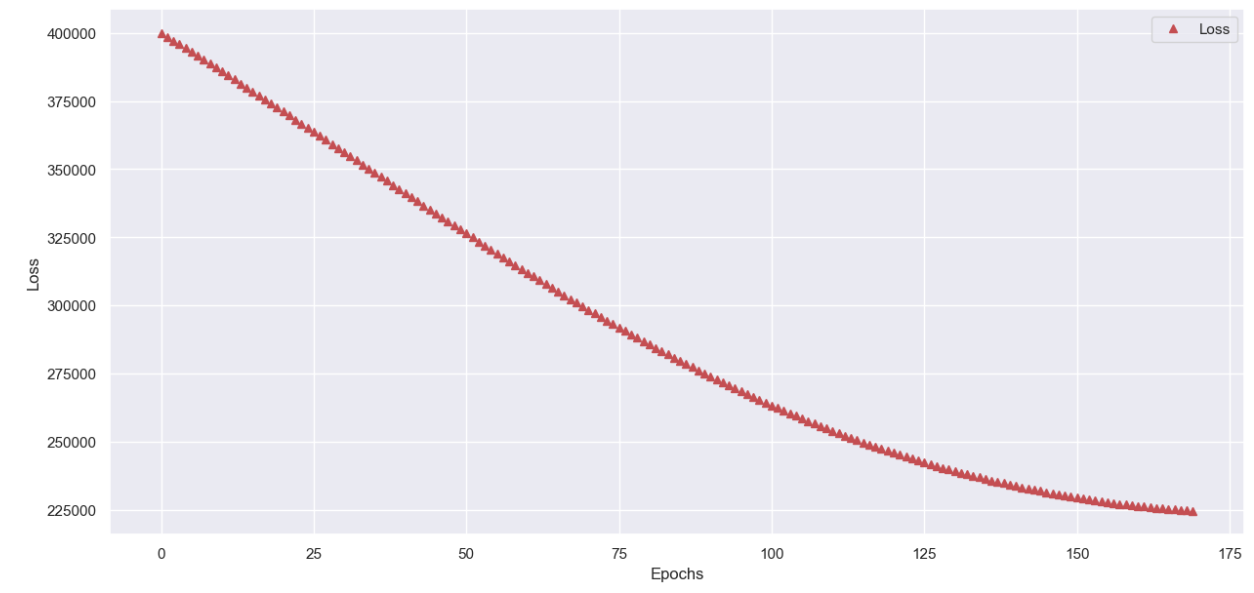
Lab 3

**Test accuracy: 0.8823999762535095**

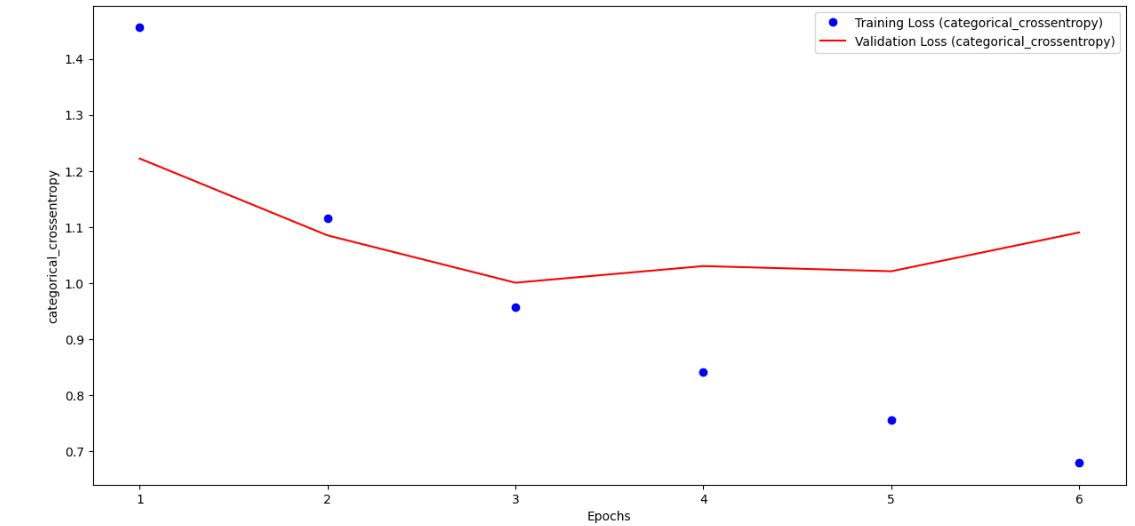
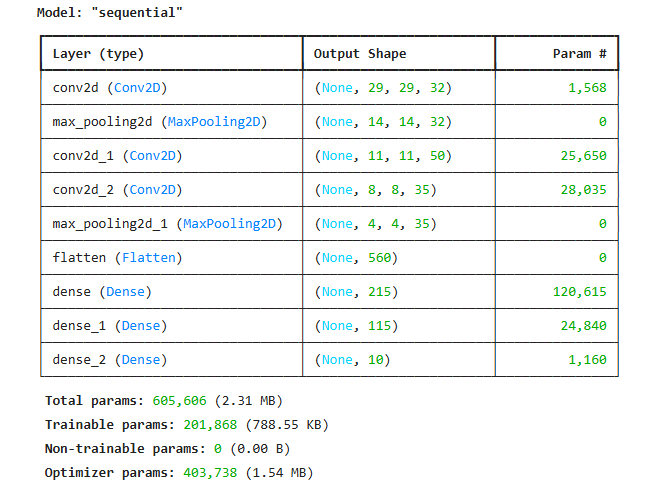


Lab 4



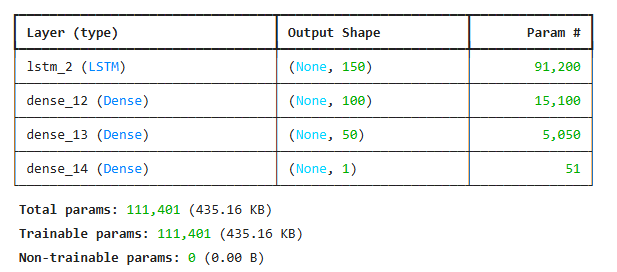


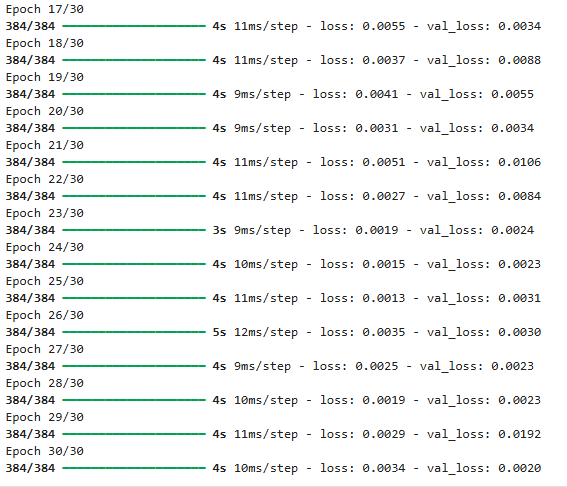
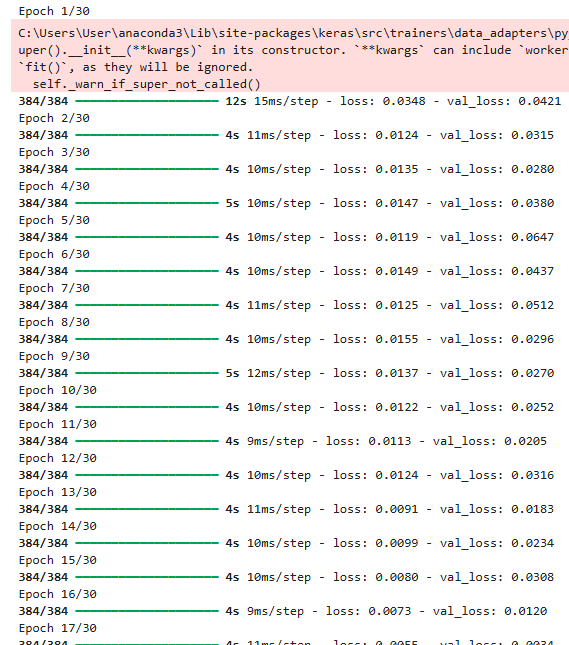
Lab 5

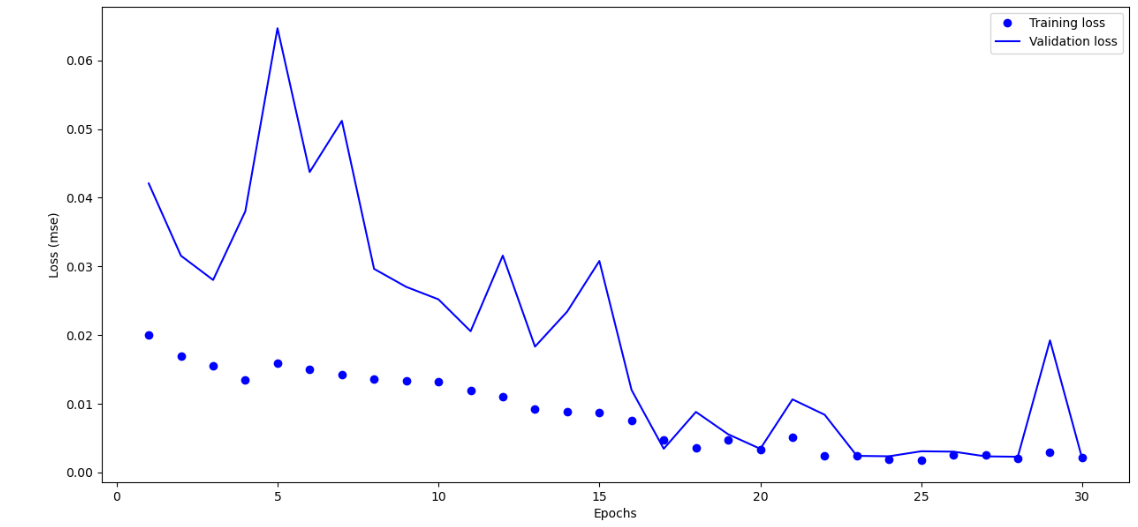


**Based on this analysis, the optimal number of epochs for training the model is 3-4**

Lab 6

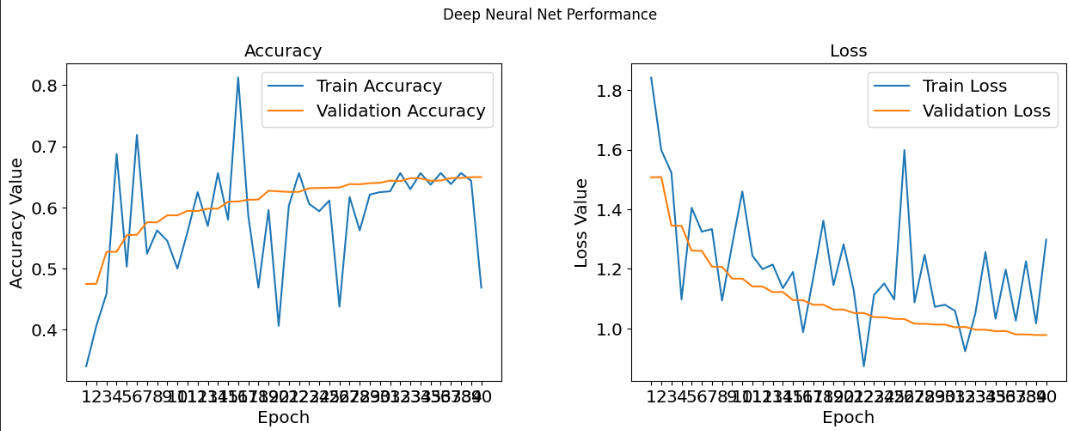




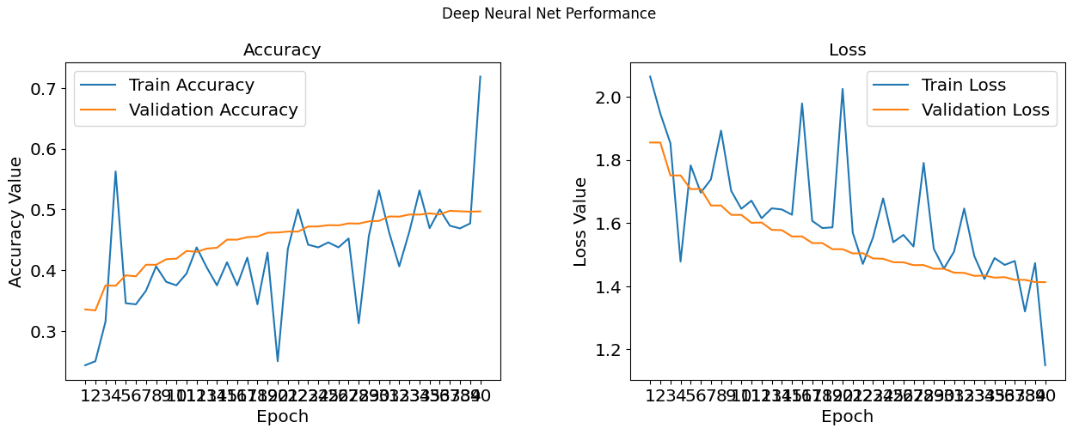


**Based on this analysis, the optimal number of epochs for training the model is 17**

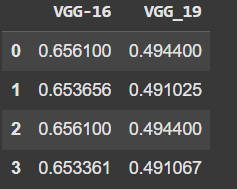
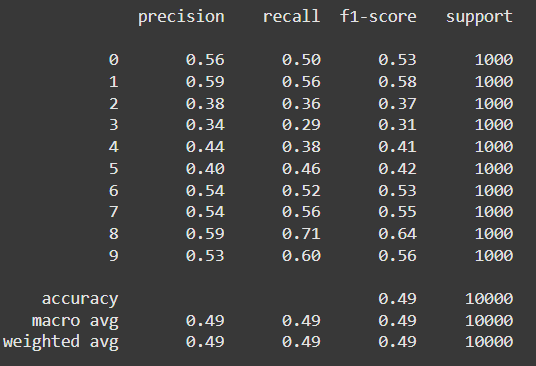
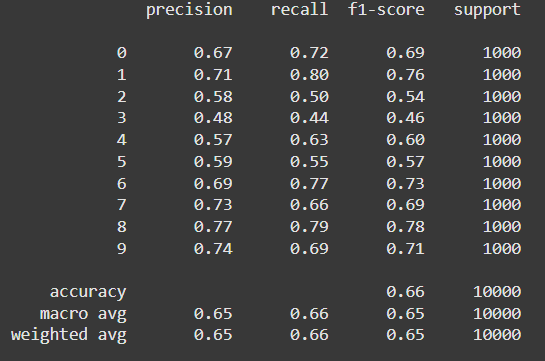
Lab 7

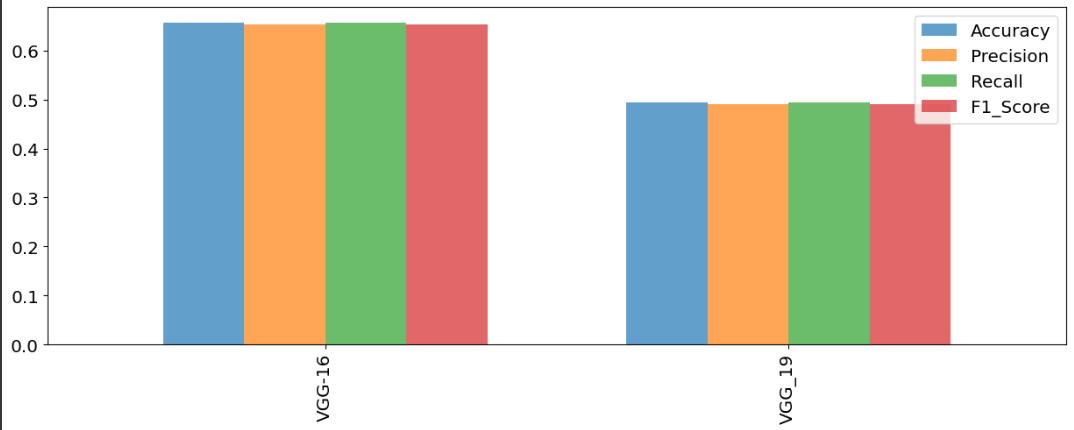


**Based on this analysis, the optimal number of epochs for training the model is 37**

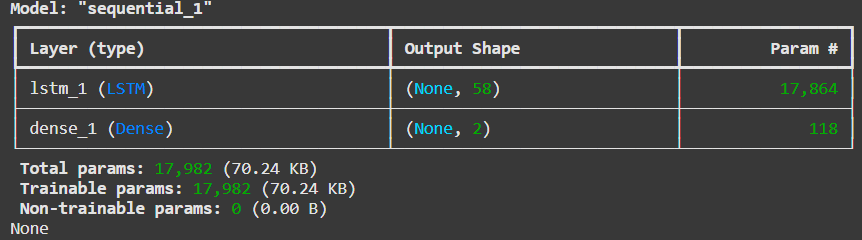


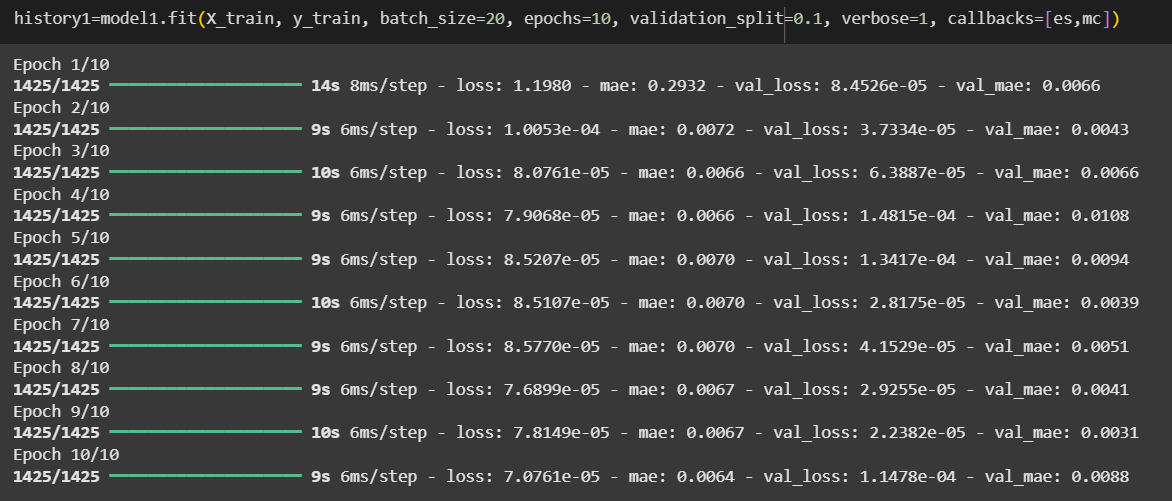
**Based on this analysis, the optimal number of epochs for training the model is 30**

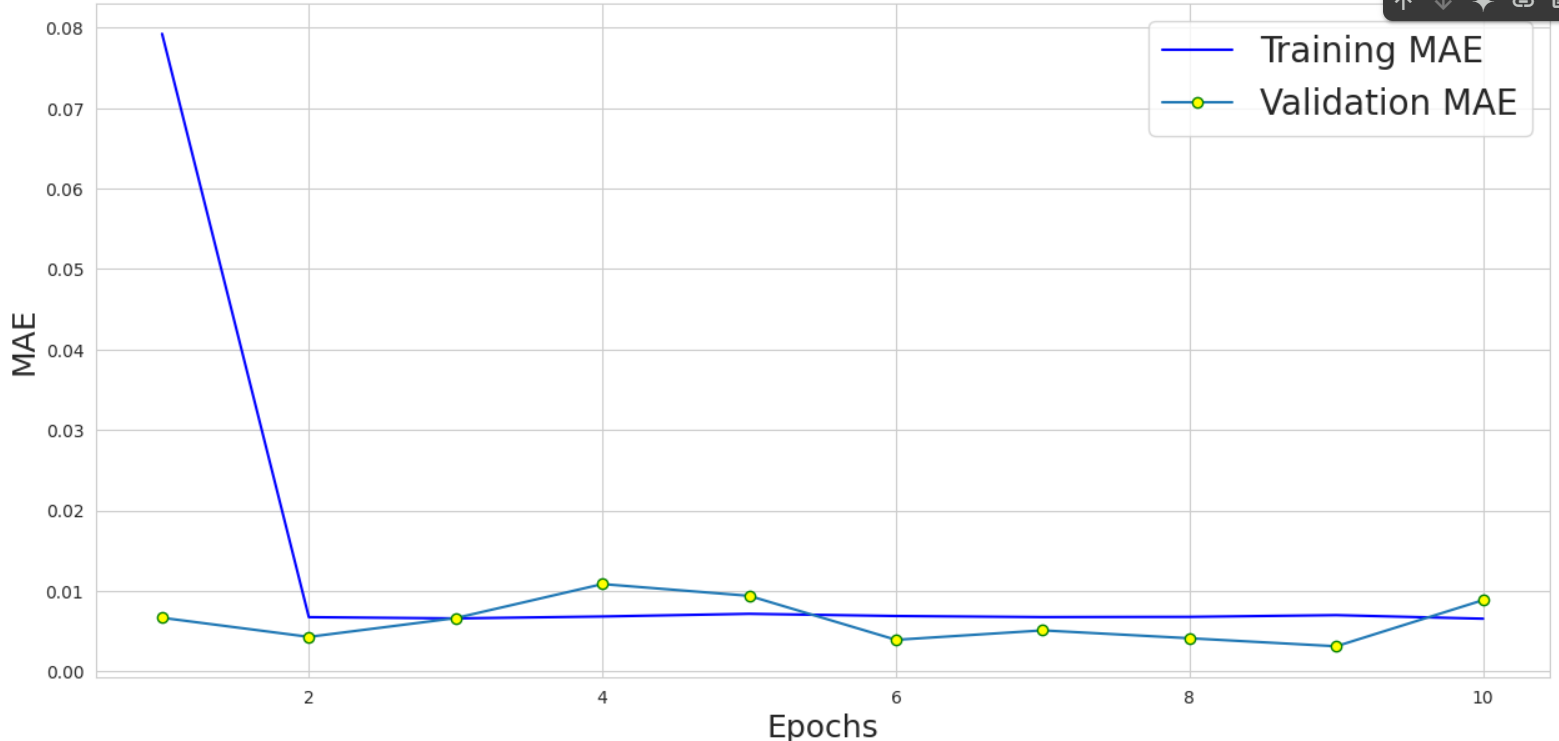
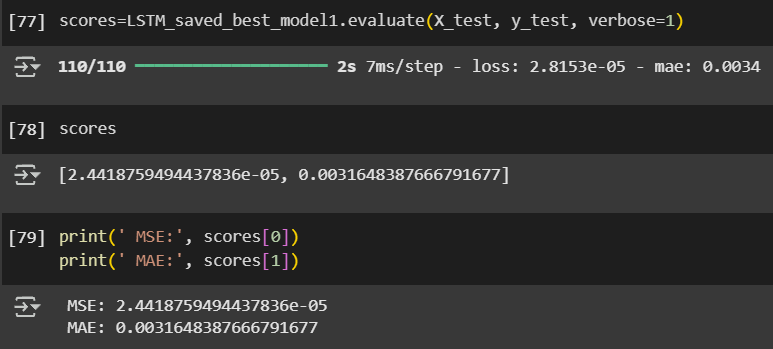




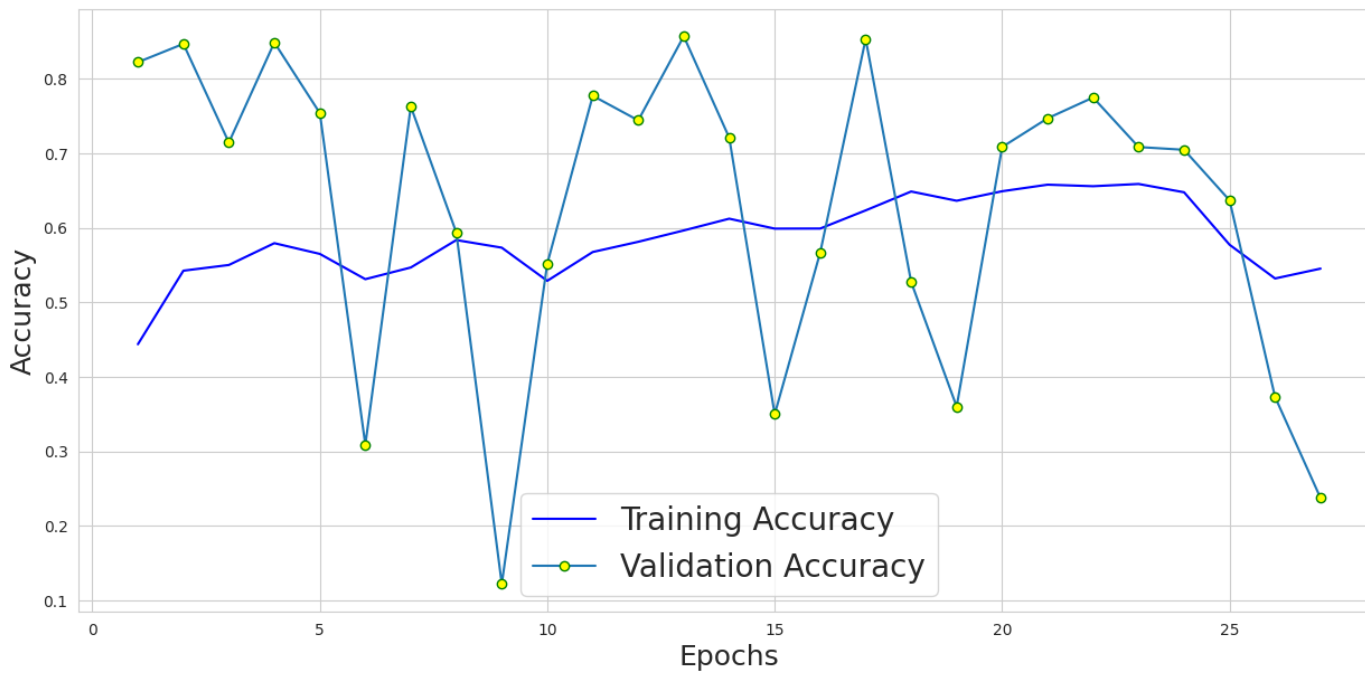
Lab 8

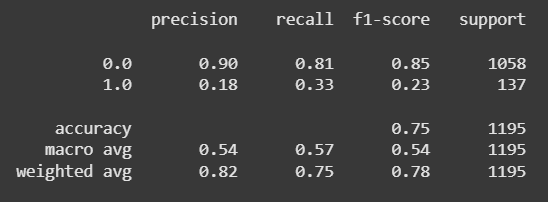


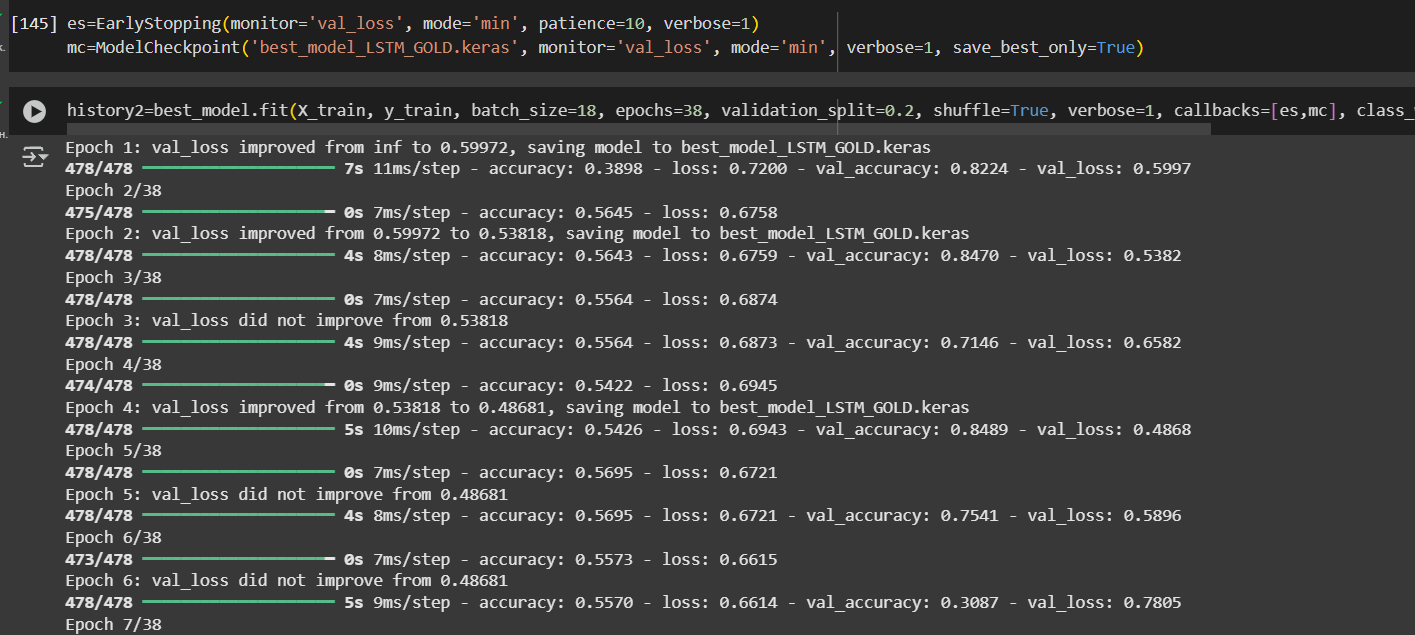
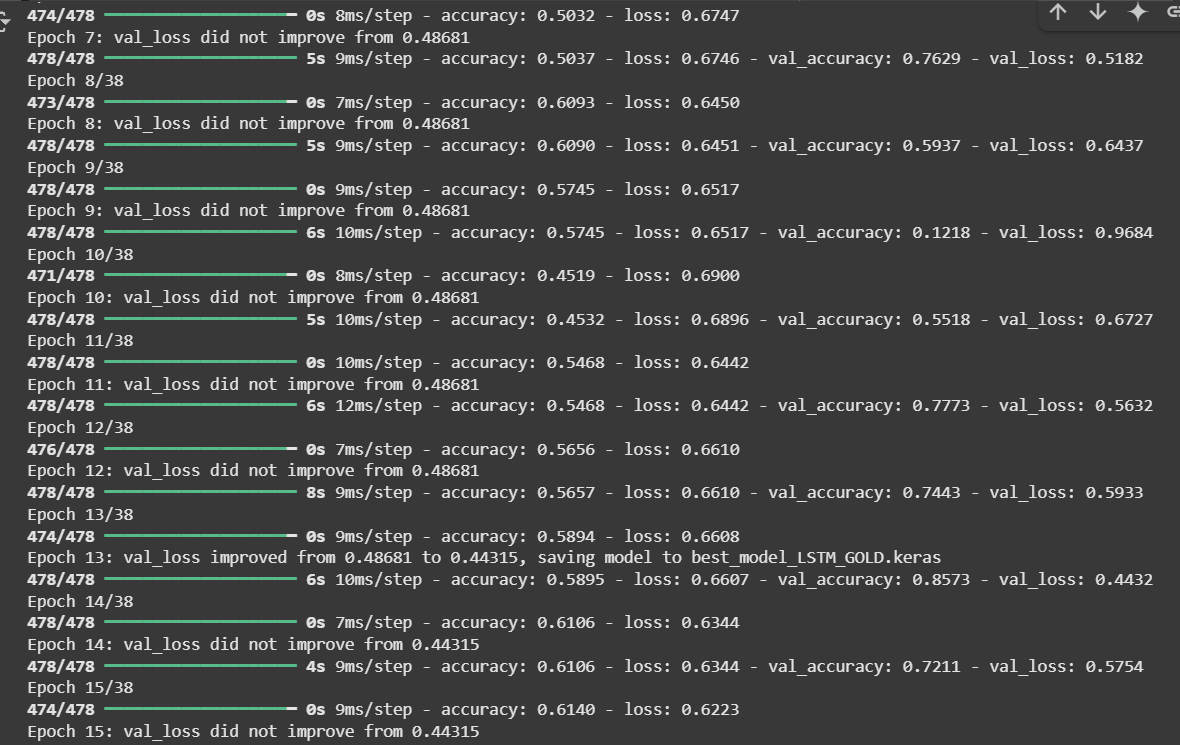
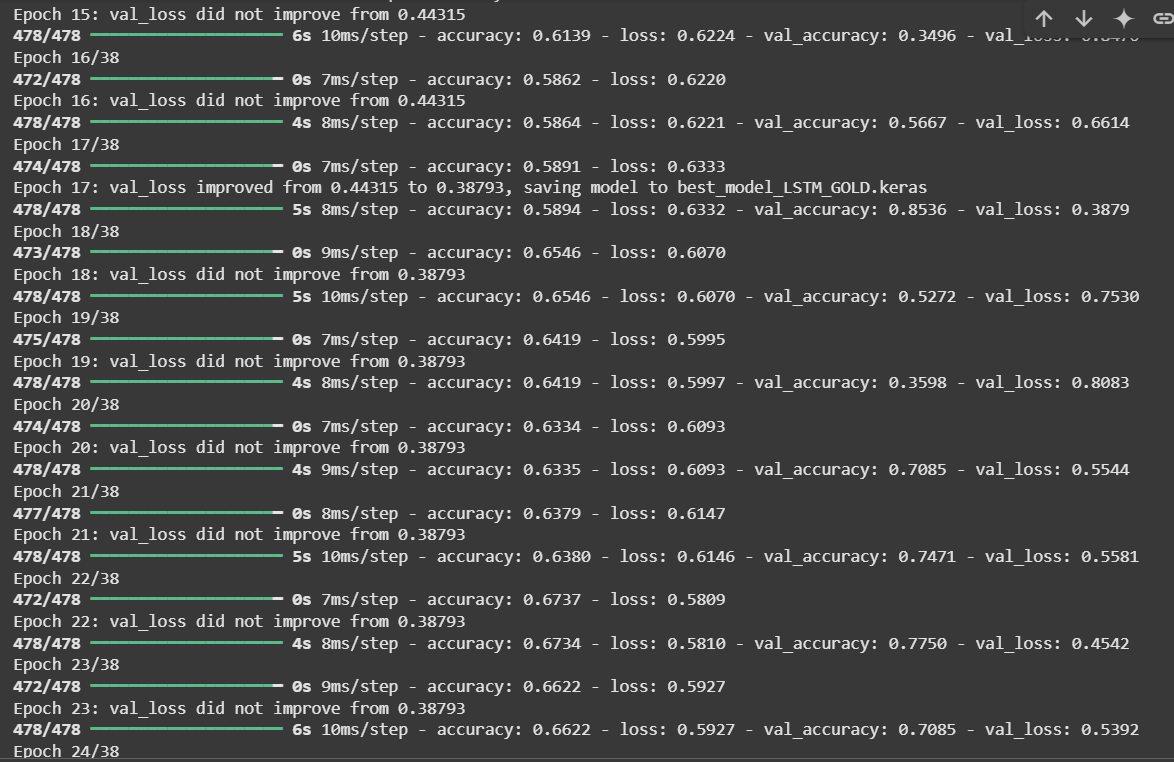
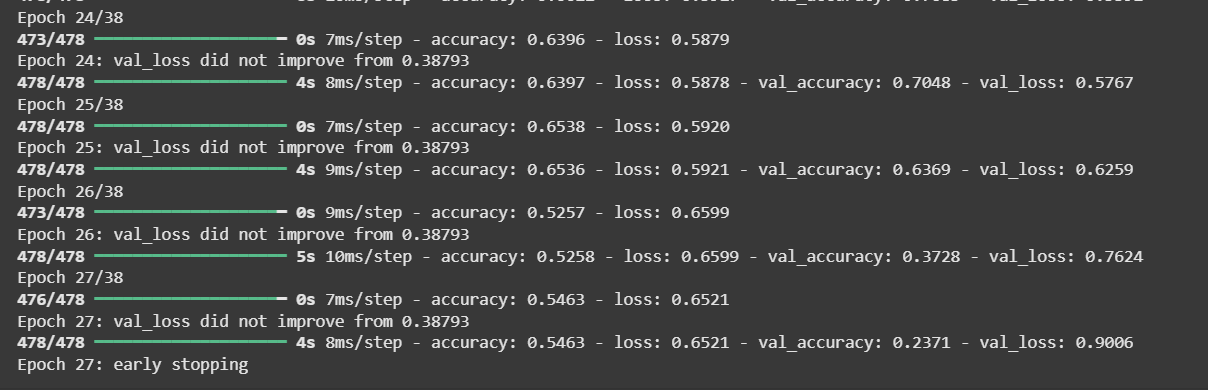




Lab 9





Lab 10

Lab 11

Lab 12