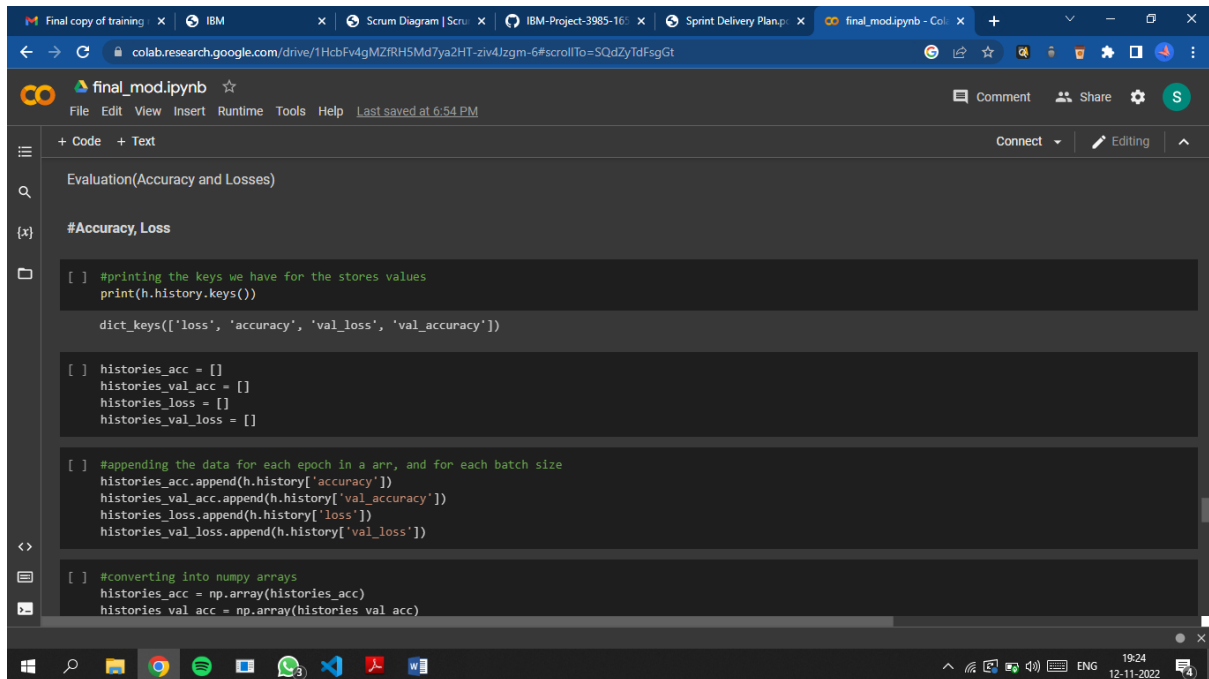


# EVALUATING THE MODEL

EVALUATING THE MODEL TO CHECK THE ACCURACY AND PRECISION:



```
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Evaluation(Accuracy and Losses)

#Accuracy, Loss

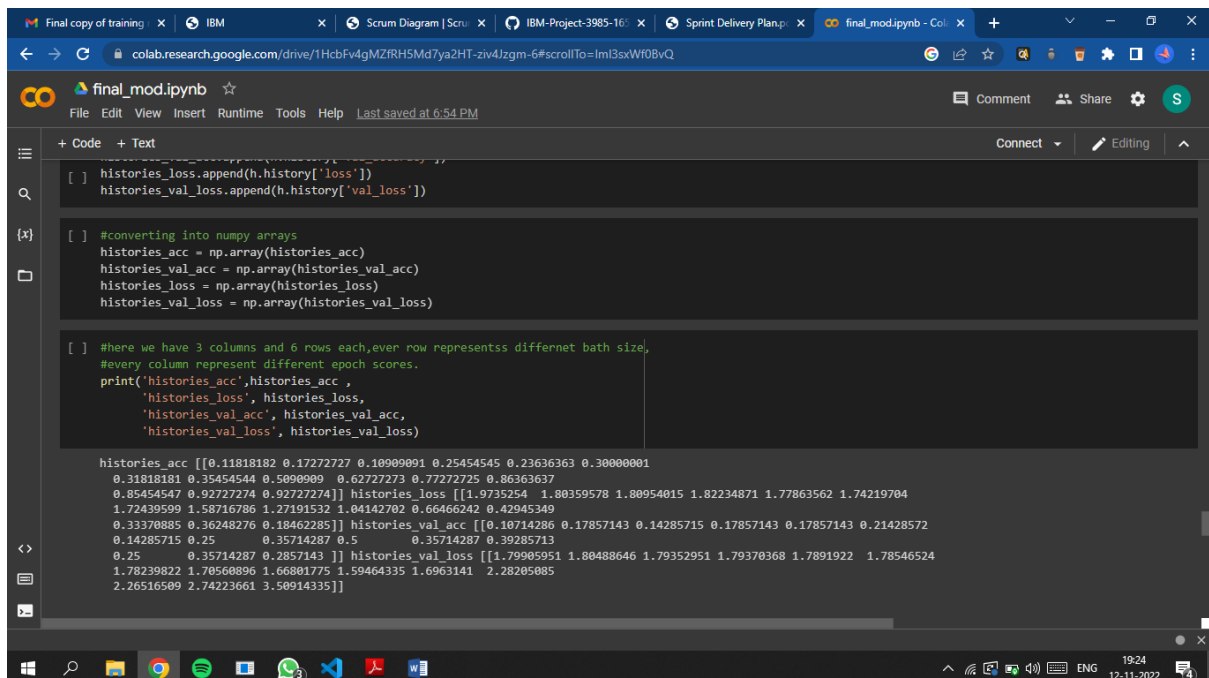
[ ] #printing the keys we have for the stores values
print(h.history.keys())

dict_keys(['loss', 'accuracy', 'val_loss', 'val_accuracy'])

[ ] histories_acc = []
histories_val_acc = []
histories_loss = []
histories_val_loss = []

[ ] #appending the data for each epoch in a arr, and for each batch size
histories_acc.append(h.history['accuracy'])
histories_val_acc.append(h.history['val_accuracy'])
histories_loss.append(h.history['loss'])
histories_val_loss.append(h.history['val_loss'])

[ ] #converting into numpy arrays
histories_acc = np.array(histories_acc)
histories_val_acc = np.array(histories_val_acc)
```



```
[ ] histories_loss.append(h.history['loss'])
histories_val_loss.append(h.history['val_loss'])

[ ] #converting into numpy arrays
histories_acc = np.array(histories_acc)
histories_val_acc = np.array(histories_val_acc)
histories_loss = np.array(histories_loss)
histories_val_loss = np.array(histories_val_loss)

[ ] #here we have 3 columns and 6 rows each,ever row representss differnet bath size,
#every column represent different epoch scores.
print('histories_acc',histories_acc ,
      'histories_loss', histories_loss,
      'histories_val_acc', histories_val_acc,
      'histories_val_loss', histories_val_loss)

histories_acc [[0.11818182 0.17272727 0.10909091 0.25454545 0.23636363 0.30000000
0.31818181 0.35454544 0.5090909 0.62727273 0.77272725 0.86363637
0.85454547 0.92727274 0.92727274]] histories_loss [[1.9735254 1.80359578 1.80954015 1.82234871 1.77863562 1.74219704
1.72439599 1.58716786 1.27191532 1.04142702 0.66466242 0.42945349
0.33370885 0.36248276 0.18462285]] histories_val_acc [[0.10714286 0.17857143 0.14285715 0.17857143 0.17857143 0.21428572
0.14285715 0.25 0.35714287 0.5 0.35714287 0.39285713
0.25 0.35714287 0.2857143 ]] histories_val_loss [[1.79905951 1.80488646 1.79352951 1.79370368 1.7891922 1.78546524
1.78239822 1.70560896 1.66801775 1.59464335 1.6963141 2.28205085
2.26516509 2.74223661 3.50914335]]
```