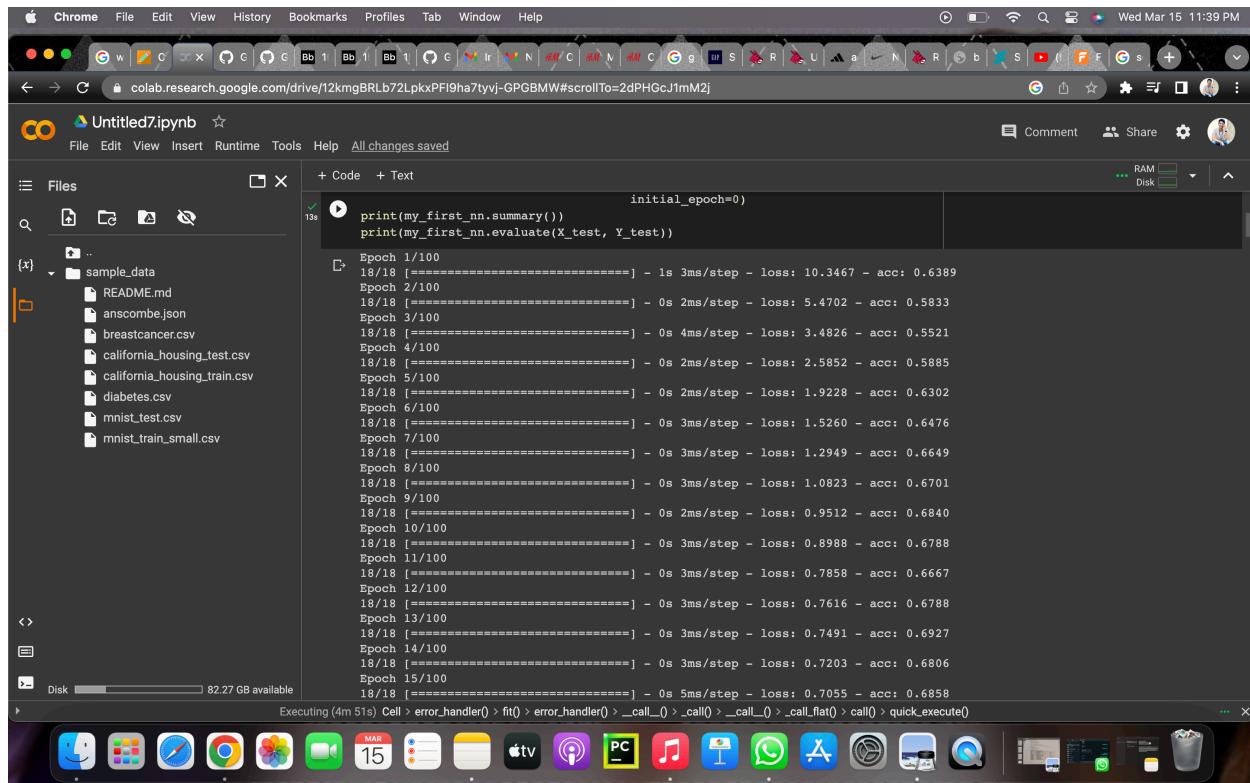


KRISHNA VAMSI G
700743211
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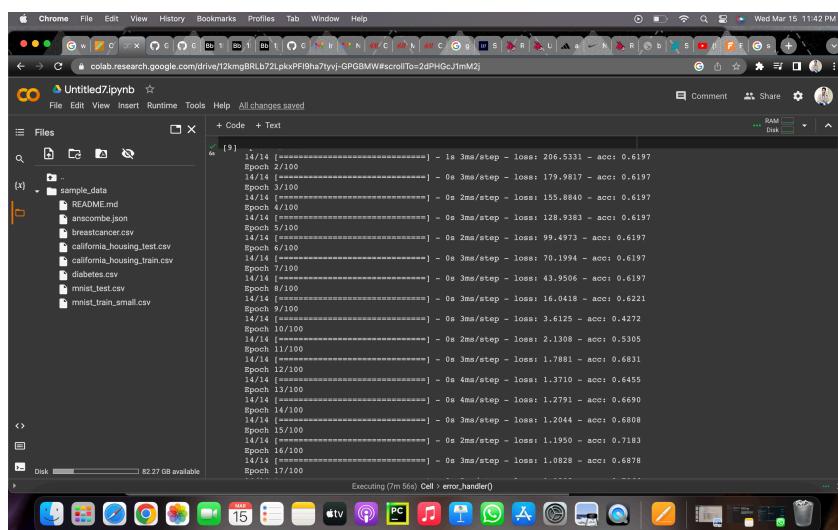
- First we have read the diabetes.csv and the civ has been imported successfully in google collar and executed



```
initial_epoch=0)
print(my_first_nn.summary())
print(my_first_nn.evaluate(X_test, y_test))

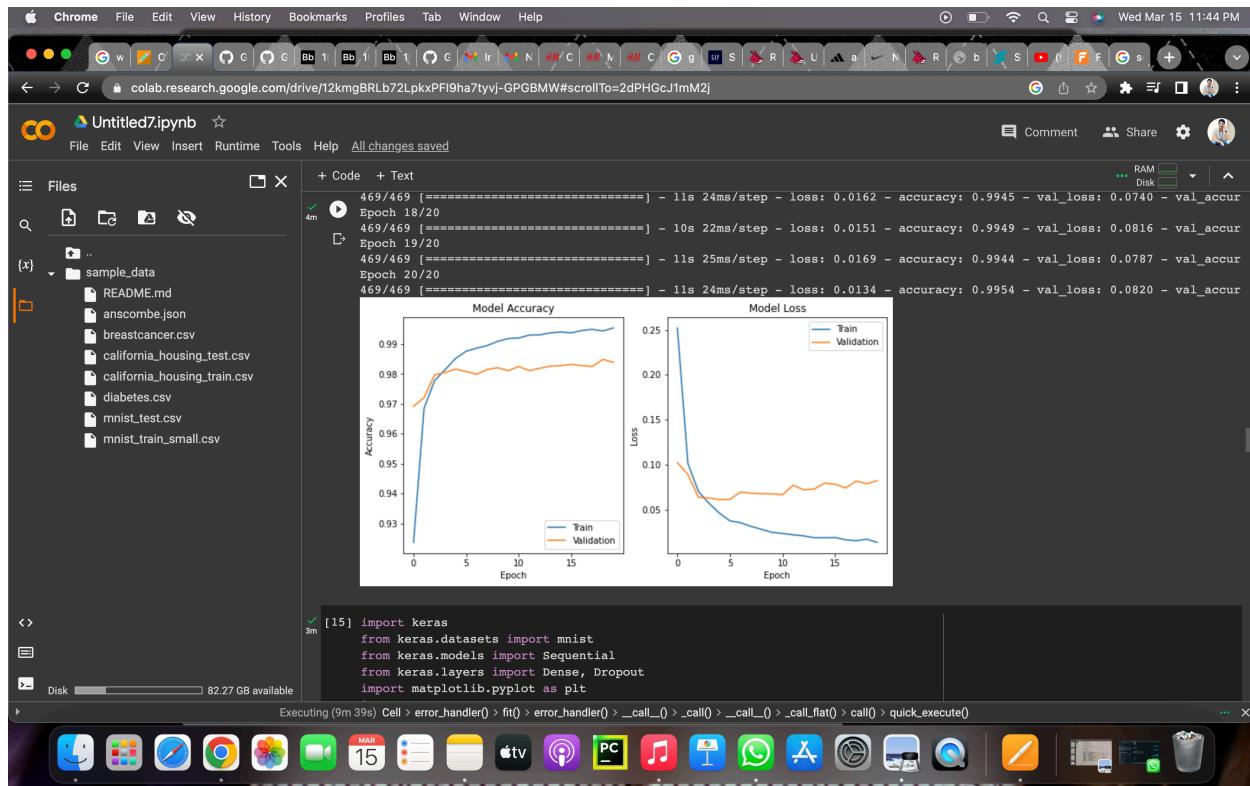
Epoch 1/100
18/18 [=====] - 1s 3ms/step - loss: 10.3467 - acc: 0.6389
Epoch 2/100
18/18 [=====] - 0s 2ms/step - loss: 5.4702 - acc: 0.5833
Epoch 3/100
18/18 [=====] - 0s 4ms/step - loss: 3.4826 - acc: 0.5521
Epoch 4/100
18/18 [=====] - 0s 2ms/step - loss: 2.5852 - acc: 0.5885
Epoch 5/100
18/18 [=====] - 0s 2ms/step - loss: 1.9228 - acc: 0.6302
Epoch 6/100
18/18 [=====] - 0s 3ms/step - loss: 1.5260 - acc: 0.6476
Epoch 7/100
18/18 [=====] - 0s 3ms/step - loss: 1.2949 - acc: 0.6649
Epoch 8/100
18/18 [=====] - 0s 3ms/step - loss: 1.0823 - acc: 0.6701
Epoch 9/100
18/18 [=====] - 0s 2ms/step - loss: 0.9512 - acc: 0.6840
Epoch 10/100
18/18 [=====] - 0s 3ms/step - loss: 0.8988 - acc: 0.6788
Epoch 11/100
18/18 [=====] - 0s 3ms/step - loss: 0.7858 - acc: 0.6667
Epoch 12/100
18/18 [=====] - 0s 3ms/step - loss: 0.7616 - acc: 0.6788
Epoch 13/100
18/18 [=====] - 0s 3ms/step - loss: 0.7491 - acc: 0.6927
Epoch 14/100
18/18 [=====] - 0s 3ms/step - loss: 0.7203 - acc: 0.6806
Epoch 15/100
18/18 [=====] - 0s 5ms/step - loss: 0.7055 - acc: 0.6858
```

- Next we tried to read breastcancer.csv and the csv has been imported successfully in google collar

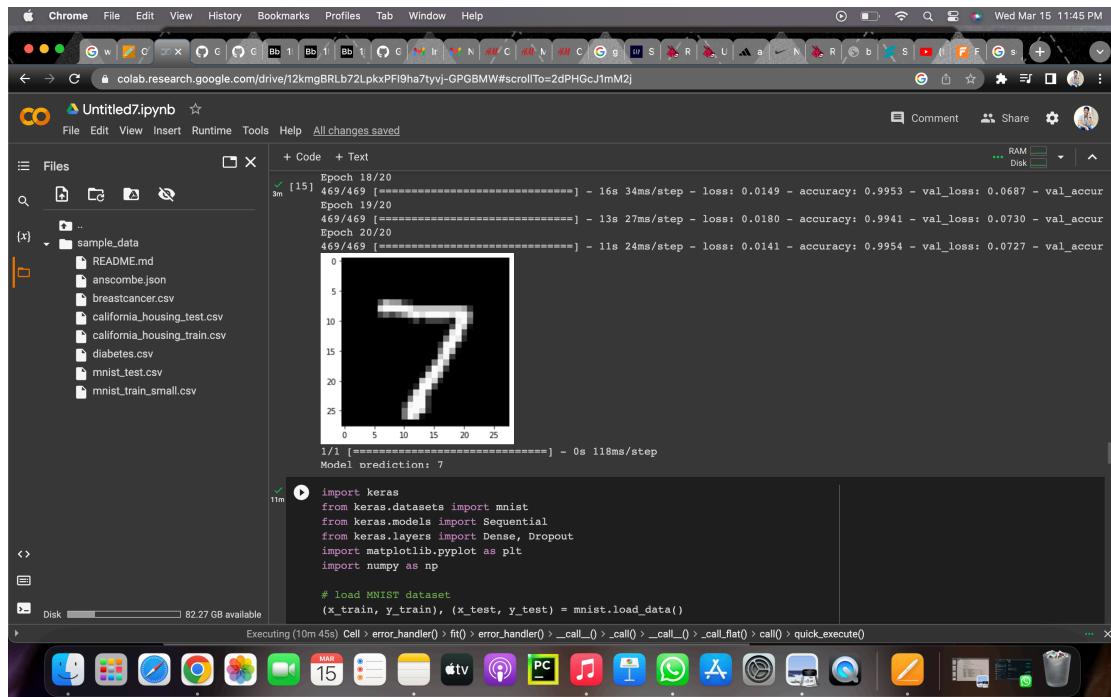


```
14/14 [=====] - 1s 3ms/step - loss: 206.5331 - acc: 0.6197
Epoch 2/100
14/14 [=====] - 0s 3ms/step - loss: 179.9817 - acc: 0.6197
Epoch 3/100
14/14 [=====] - 0s 3ms/step - loss: 155.8840 - acc: 0.6197
Epoch 4/100
14/14 [=====] - 0s 3ms/step - loss: 128.9363 - acc: 0.6197
Epoch 5/100
14/14 [=====] - 0s 3ms/step - loss: 99.9733 - acc: 0.6197
Epoch 6/100
14/14 [=====] - 0s 3ms/step - loss: 70.1994 - acc: 0.6197
Epoch 7/100
14/14 [=====] - 0s 3ms/step - loss: 43.5056 - acc: 0.6197
Epoch 8/100
14/14 [=====] - 0s 3ms/step - loss: 16.0418 - acc: 0.6221
Epoch 9/100
14/14 [=====] - 0s 3ms/step - loss: 3.6125 - acc: 0.4272
Epoch 10/100
14/14 [=====] - 0s 2ms/step - loss: 2.1308 - acc: 0.5305
Epoch 11/100
14/14 [=====] - 0s 3ms/step - loss: 1.7881 - acc: 0.6831
Epoch 12/100
14/14 [=====] - 0s 3ms/step - loss: 1.3710 - acc: 0.6455
Epoch 13/100
14/14 [=====] - 0s 4ms/step - loss: 1.2791 - acc: 0.6690
Epoch 14/100
14/14 [=====] - 0s 3ms/step - loss: 1.2044 - acc: 0.6808
Epoch 15/100
14/14 [=====] - 0s 2ms/step - loss: 1.1950 - acc: 0.7183
Epoch 16/100
14/14 [=====] - 0s 3ms/step - loss: 1.0828 - acc: 0.6878
Epoch 17/100
```

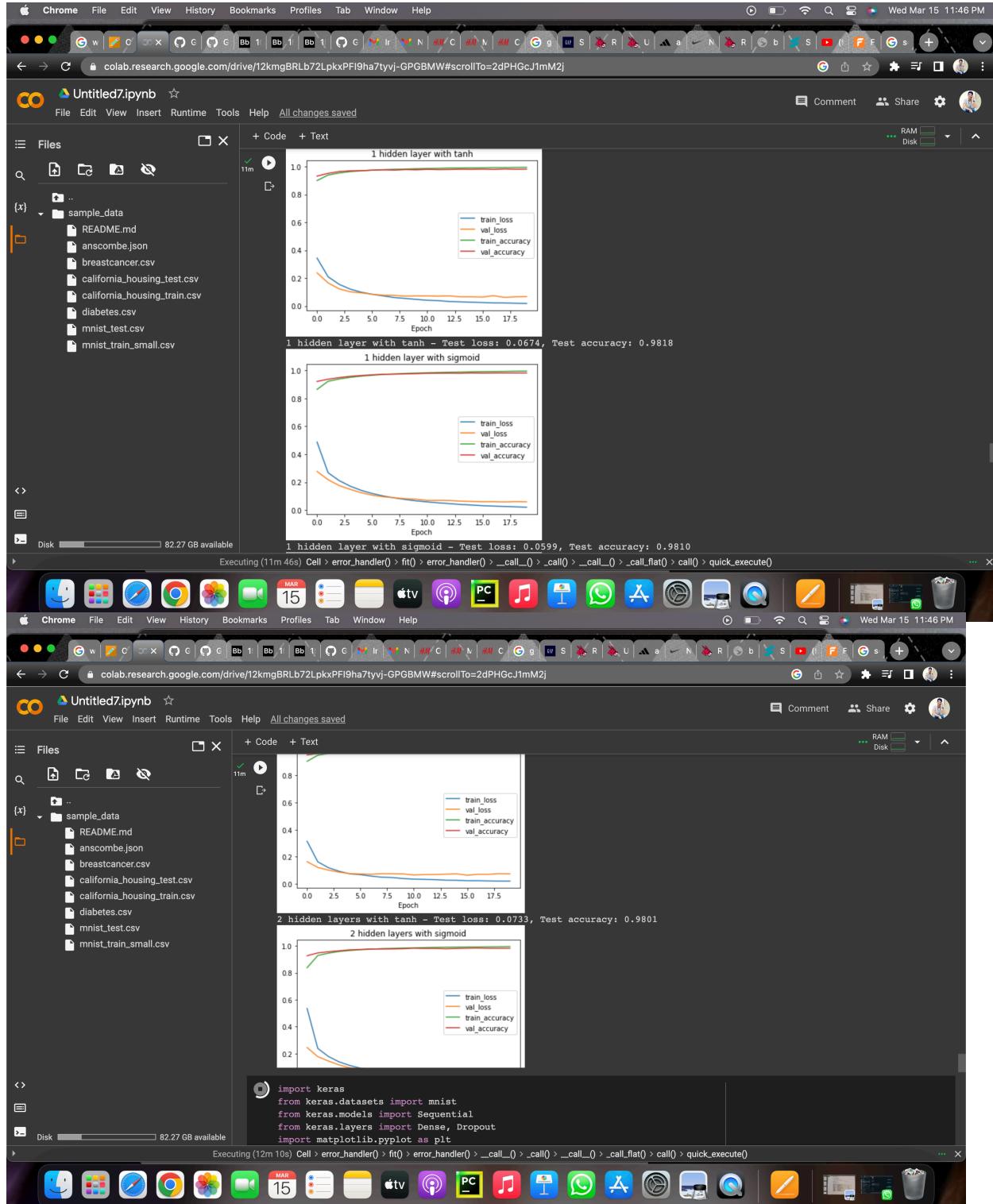
Later In train test spilt x train and y train were divided into 75% training data and 25% testing data, machine learning model name sequential



Along with that Model prediction was also done



Now Breast cancer stand scalar was initialized and normalized and the accuracy difference was shown



Finally model with hidden layer and tanh activation and sigmoid activation have been executed for the accuracy :

