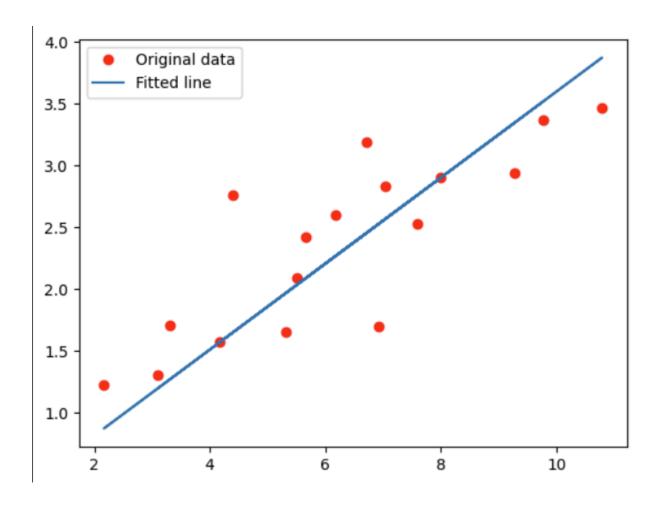
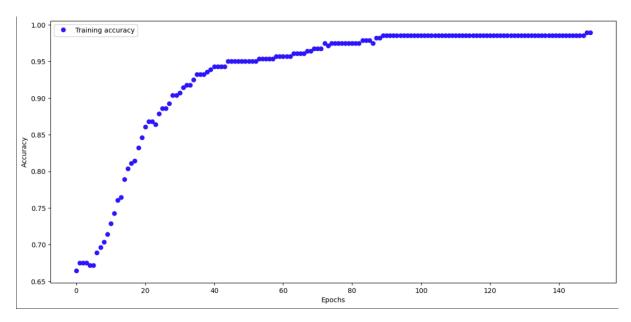
# LAB logbook

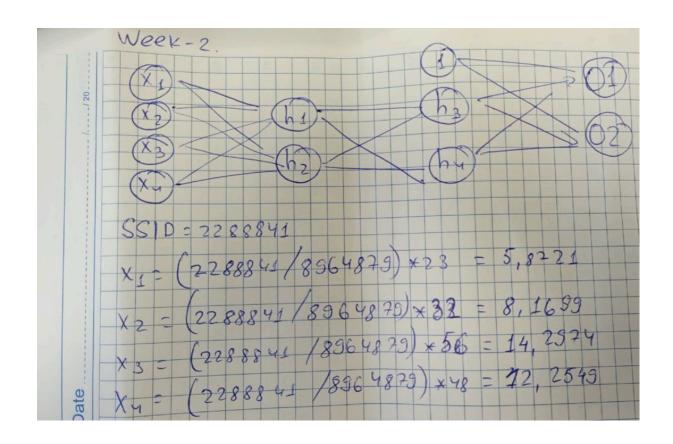


```
Dot product of A.B^T results in a new Tensor:
[[8634 2719 8750]
[2939 1329 2975]
[7573 5341 7545]]

Matrix multiplication of A.B^T results in a new Tensor:
[[8634 2719 8750]
[2939 1329 2975]
[7573 5341 7545]]
```

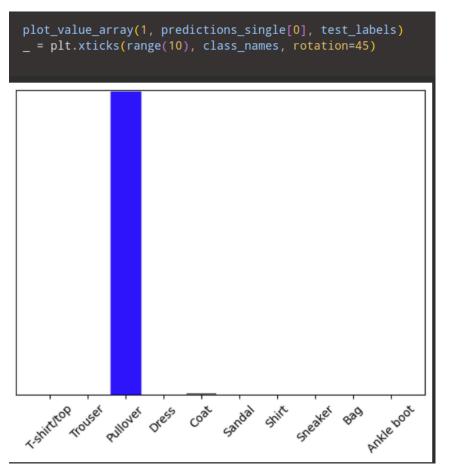


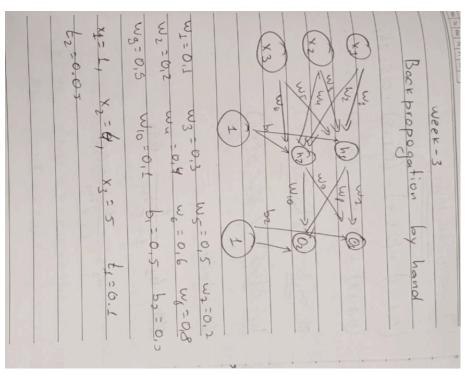
Task 1: accuracy = 0.998



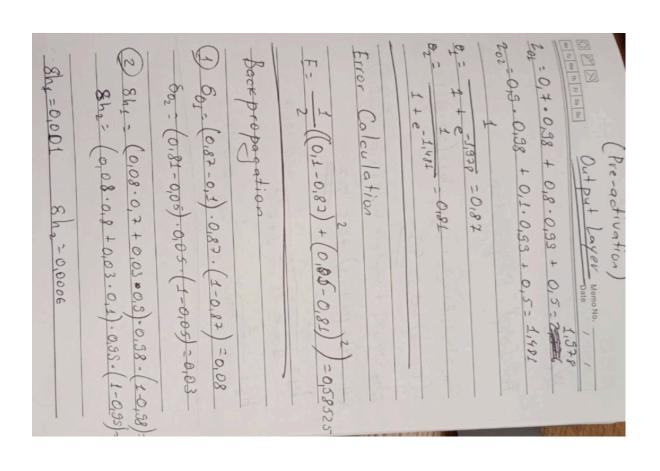
# week-3

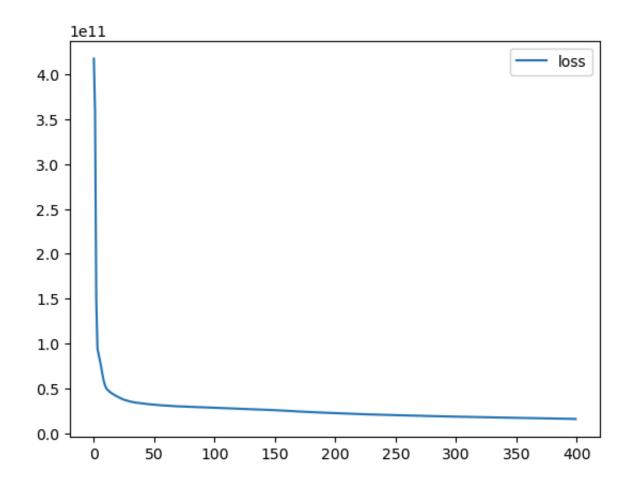






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				+0,5=2hz		0 No.
4				he he		





Model: "sequential"

```
Layer (type) Output Shape Param #

dense (Dense) (None, 128) 2560

dense_1 (Dense) (None, 64) 8256

dense_2 (Dense) (None, 32) 2080

dense_3 (Dense) (None, 16) 528

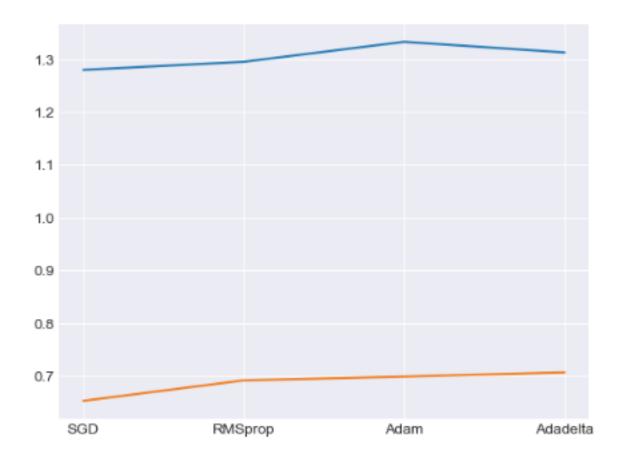
dense_4 (Dense) (None, 1) 17
```

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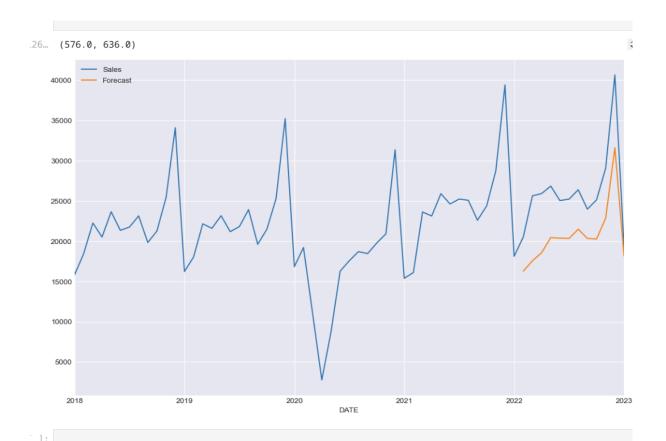
Total params: 13441 (52.50 KB)
Trainable params: 13441 (52.50 KB)
Non-trainable params: 0 (0.00 Byte)

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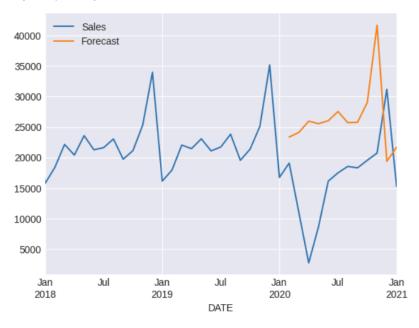
None



```
Epoch 1/3
1.5317 - val_accuracy: 0.6758
Epoch 2/3
1.2955 - val_accuracy: 0.6844
Epoch 3/3
1.3430 - val_accuracy: 0.7076
Epoch 1/3
1.4528 - val_accuracy: 0.6790
Epoch 2/3
1.5664 - val_accuracy: 0.6802
Epoch 3/3
1.3944 - val_accuracy: 0.6819
Epoch 1/3
1.5107 - val_accuracy: 0.6815
Epoch 2/3
1.5154 - val_accuracy: 0.6895
Epoch 3/3
1.6015 - val_accuracy: 0.6602
Epoch 1/3
1.5573 - val_accuracy: 0.6763
Epoch 2/3
1.5491 - val_accuracy: 0.6843
Epoch 3/3
1563/1563 [=============== ] - 9s 5ms/step - loss: 0.1436 - accuracy: 0.9533 - val_loss:
1.5479 - val_accuracy: 0.6879
```



Out[126... (576.0, 612.0)



#### Week - 7

#### task-1

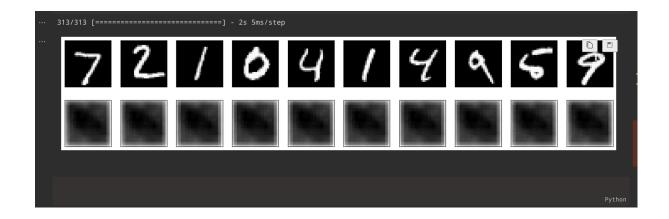
Model: "sequential\_2"

Layer (type) Output Shape Param #
sequential (Sequential) (None, 25) 420625
sequential\_1 (Sequential) (None, 28, 28) 421384

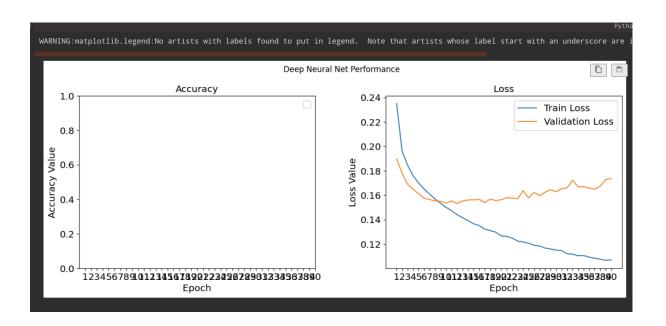
Total params: 842009 (3.21 MB) Trainable params: 842009 (3.21 MB) Non-trainable params: 0 (0.00 Byte)

\_\_\_\_\_

#### task - 2

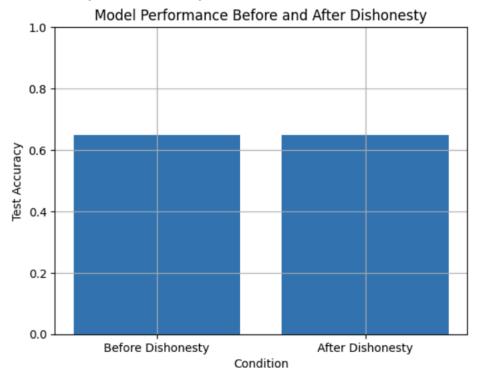


# Week - 8



# **Week - 10**

Test Accuracy Before Dishonesty: 0.6486999988555908 Test Accuracy After Dishonesty: 0.6486999988555908



In [ ]:

