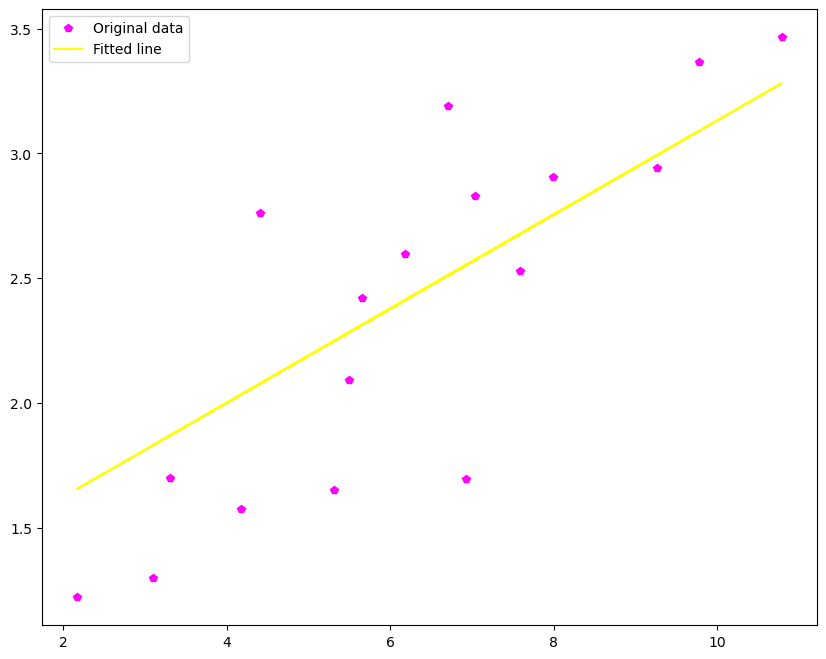
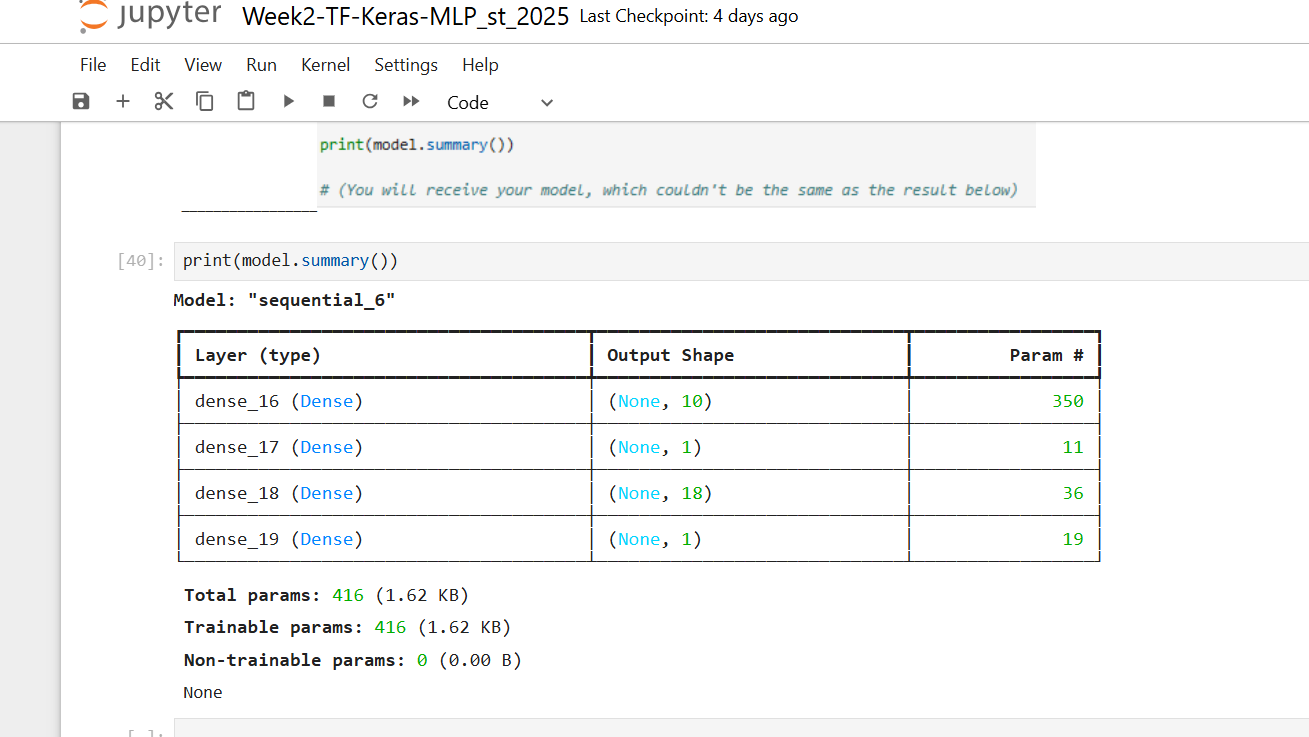
LAB Logbook

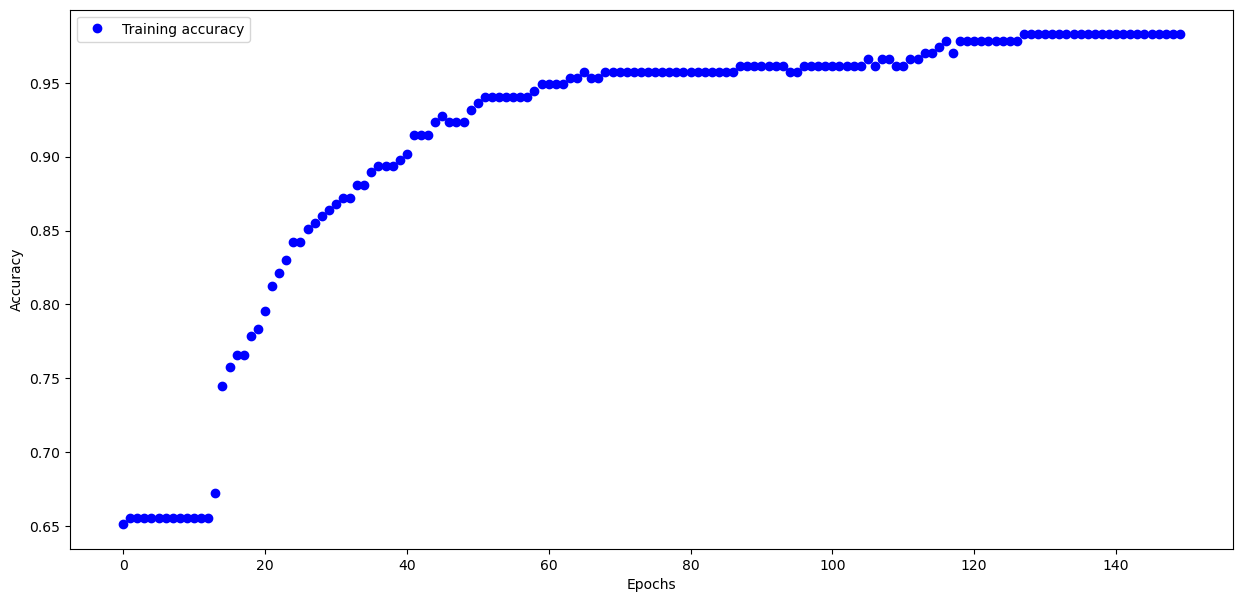
Lab 1:



Lab 2



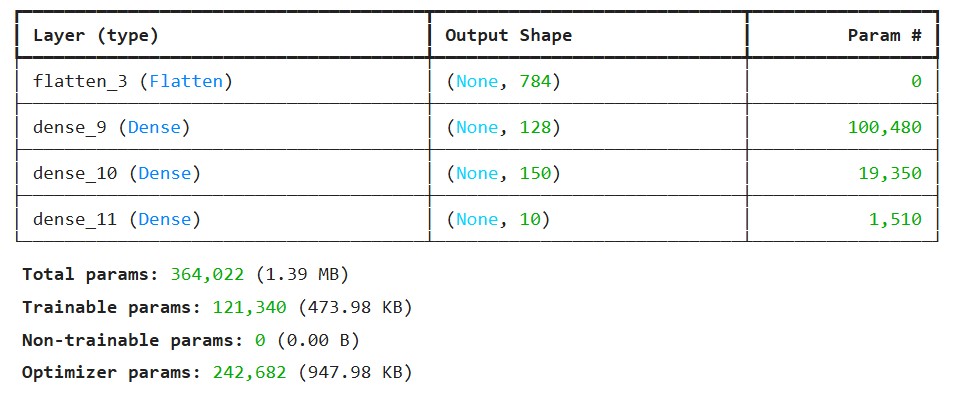
Accuracy: “0.862”



Lab 3

Test accuracy: 0.8953999876976013

Model summary:



Lab 4

A screenshot of a computer

AI-generated content may be incorrect.

A graph with a line going up

AI-generated content may be incorrect.

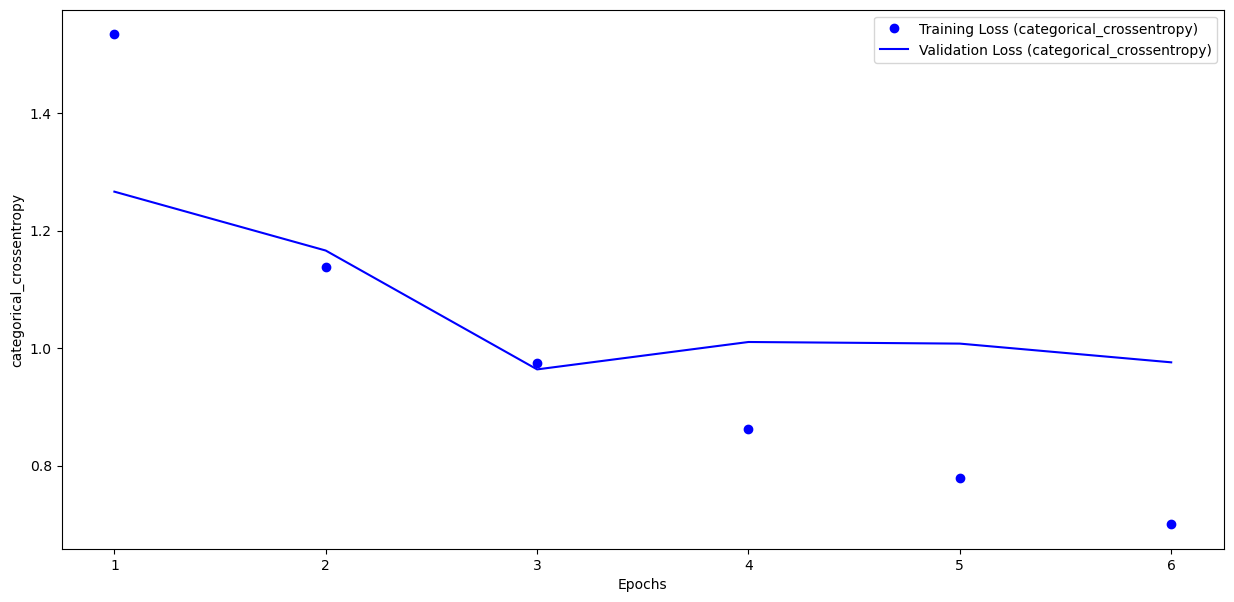
absolute prediction error = 318662.0 $

relative prediction error = 143.60612888688598 %

Lab 5:

A screenshot of a computer

AI-generated content may be incorrect.



optimal number of epochs**: 06**

Lab 6:

A screenshot of a computer

AI-generated content may be incorrect.

A white background with black text

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A graph with blue lines

AI-generated content may be incorrect.

Low loss is found in Epoch 13/30 ==== val\_loss: 0.0011

**optimal number of epochs**  == 14

Lab 7

A graph of a line graph

AI-generated content may be incorrect.

A graph of a graph of a graph

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.

A colorful bar graph with black text

AI-generated content may be incorrect.

* optimal number of epochs for training VGG16 model :40

Lab 8

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

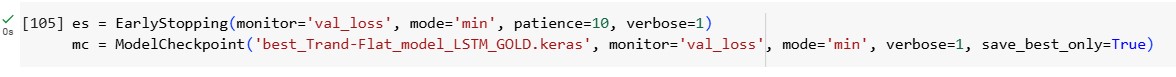
Mean squared error (mse): 0.000021443

Mean absolute error (mae): 0.002975876

A graph showing the value of training

AI-generated content may be incorrect.

Lab 9



A graph with lines and dots

AI-generated content may be incorrect.

A graph with a line

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.A screenshot of a computer

AI-generated content may be incorrect.

Early stopping at : “19”

Lab 10:

TASK-1:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

TASK-2:

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.

A graph with blue dots

AI-generated content may be incorrect.A number in black squares

AI-generated content may be incorrect.

Lab 11

Lab 12