LAB Logbook

Lab 1

A graph with green dots and a blue line

Description automatically generated

Lab 2

Task :1

Test Accuracy: 0.948

A screenshot of a computer

Description automatically generated

A graph with a blue line

Description automatically generated

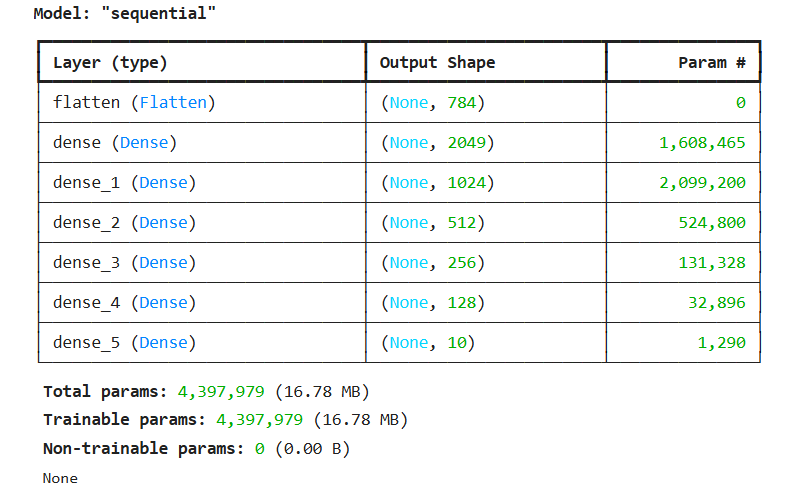
Task: 2

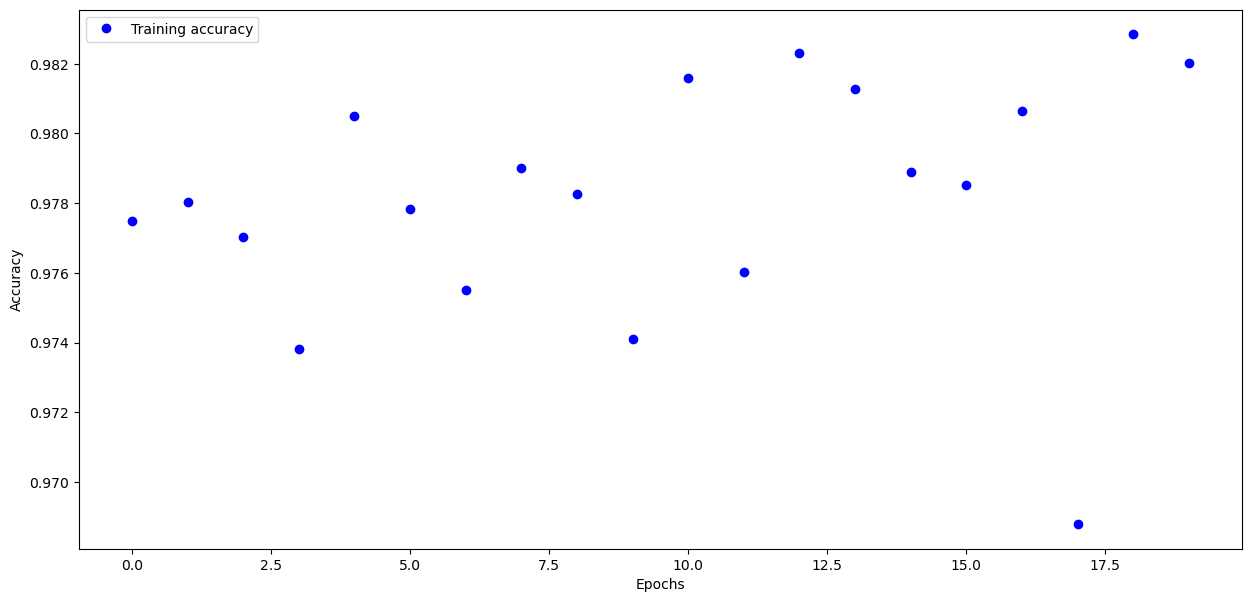
O1 = 1.5098

O2 = 1.5098

Lab 3

Test Accuracy: 0.8859000205993652





Lab 4

A screenshot of a computer

AI-generated content may be incorrect.

A graph showing a line

AI-generated content may be incorrect.

absolute prediction error = -8427.0 $

relative prediction error = -3.797656602073006 %

Lab 5

A screenshot of a computer

AI-generated content may be incorrect.

A graph of a line

AI-generated content may be incorrect.

A graph with blue dots

AI-generated content may be incorrect.

Optimal number of epochs to train the model: 8/20

Lab 6

A screenshot of a computer

AI-generated content may be incorrect.



A screenshot of a computer

AI-generated content may be incorrect.

A line drawn on a white background

AI-generated content may be incorrect.

Optimal number of epochs for training the model: 2

Lab 7

A graph of a line and a line graph

AI-generated content may be incorrect.

A screenshot of a 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 graph

AI-generated content may be incorrect.

A graph with different colored bars

AI-generated content may be incorrect.

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) : 0.000027354

Mean absolute error (mae): 0.003413985

A graph with blue and yellow lines

AI-generated content may be incorrect.

Lab 9



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.

A screenshot of a black background

AI-generated content may be incorrect.

A graph with lines and dots

AI-generated content may be incorrect.

Lab 10

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.

Lab 11

Lab 12