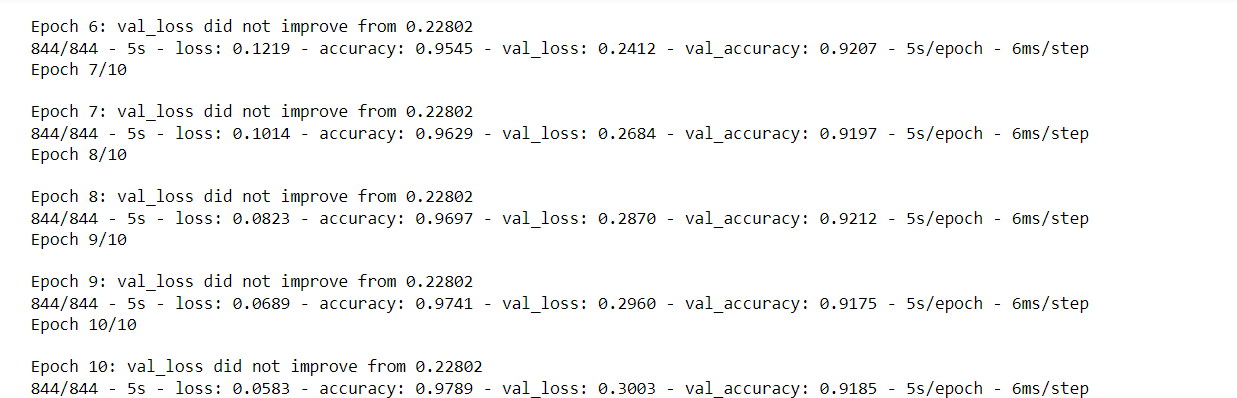
HOMEWORK 5 – DEEP NEURAL NETWORKS (CS/DS 541)

DONE BY –

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Problem 1) Implementing a Neural Network with TensorFlow



Graphical user interface, text, application, email

Description automatically generated

FIGURE: - GRADIENT UPDATES

Problem 2) Representing a Convolutional Neural Network as a fully Connected Neural Network

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Figure 2 – Modified Model Summary

Text, letter

Description automatically generated

Figure 3 - Prediction Model