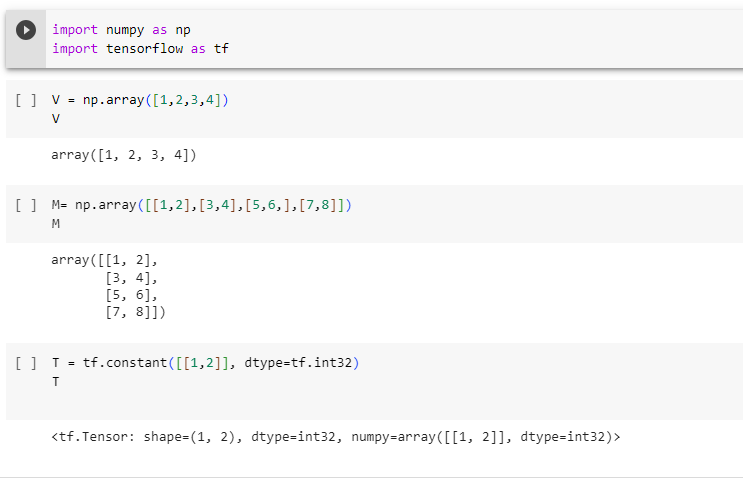
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| **Sr.no.** | **Practical** |
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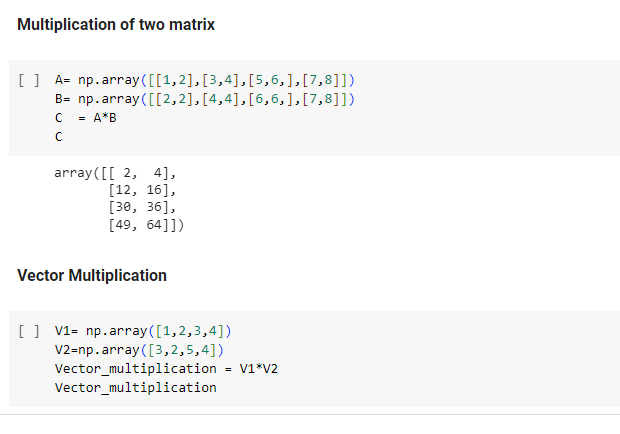
**PRACTICAL: 1**

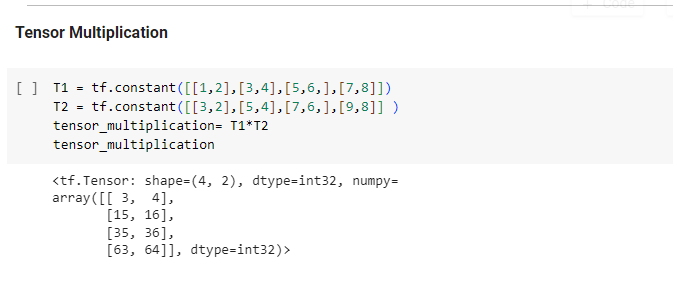
**Write a Program to demonstrate following operations.**

**A) Create Vector, Matrix and Tensor**

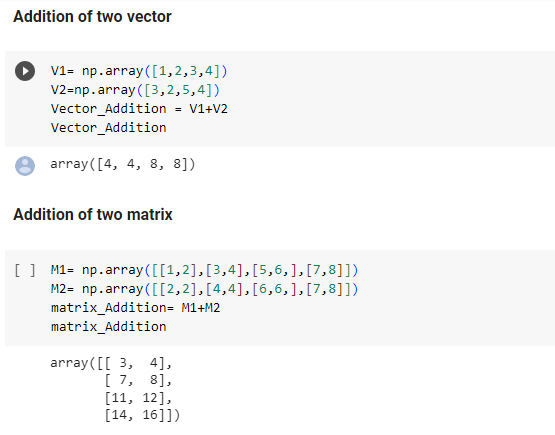
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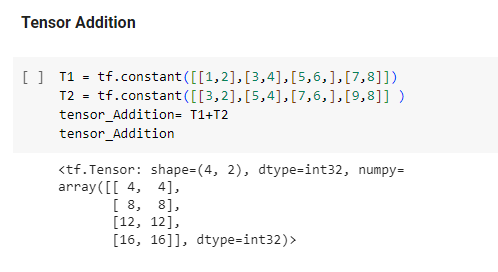
**1B) Multiplication of two : Vector, Matrix and Tensor**

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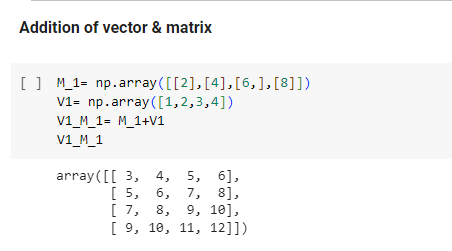
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**1C)** **Addition of two : Vector, Matrix and Tensor**

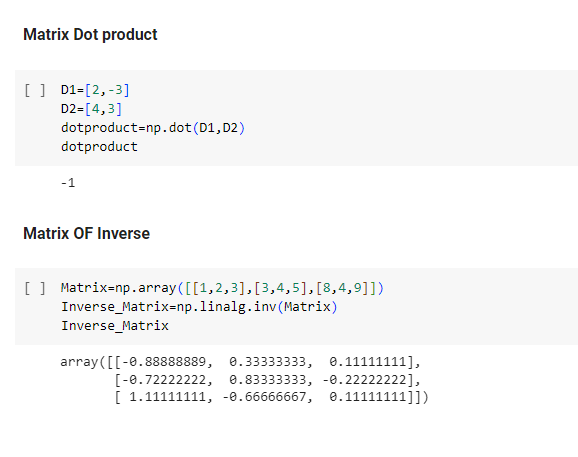
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**1D) Multiply Matrix with Vector**

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**1E)Matrix Dot product and Matrix Inverse**

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**PRACTICAL: 2**

**2A] Performing matrix multiplication and finding Eigen vectors and Eigen values using TensorFlow**

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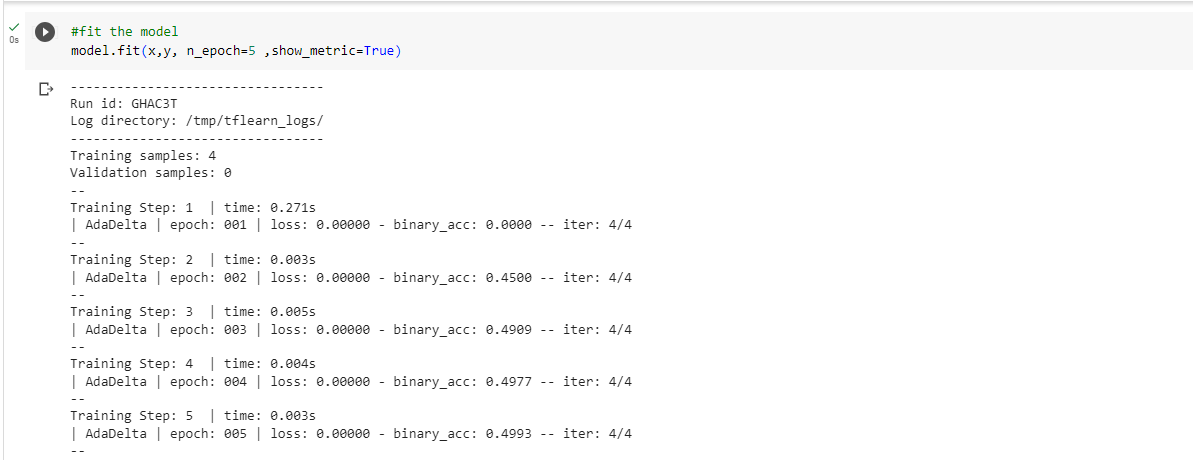
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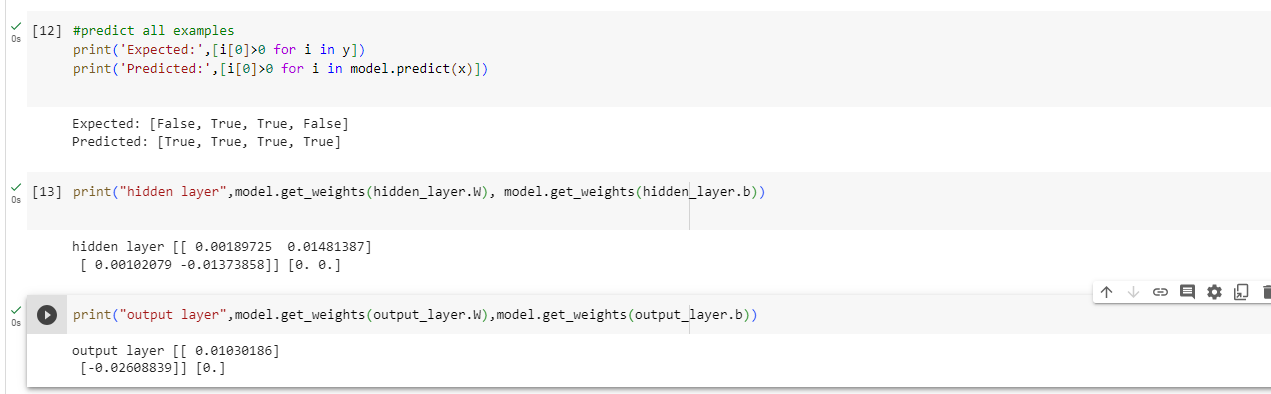
**PRACTICAL: 3**

**Aim : Solving XOR problem using deep feed forward network.**





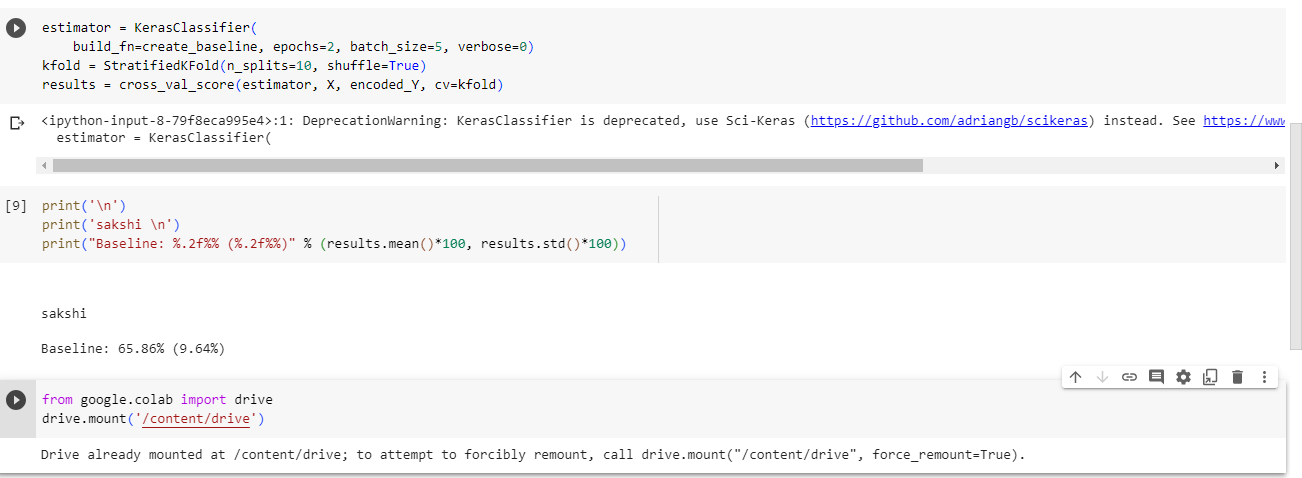




**PRACTICAL: 4**

**Aim: Implementing deep neural network for performing binary classification task.**

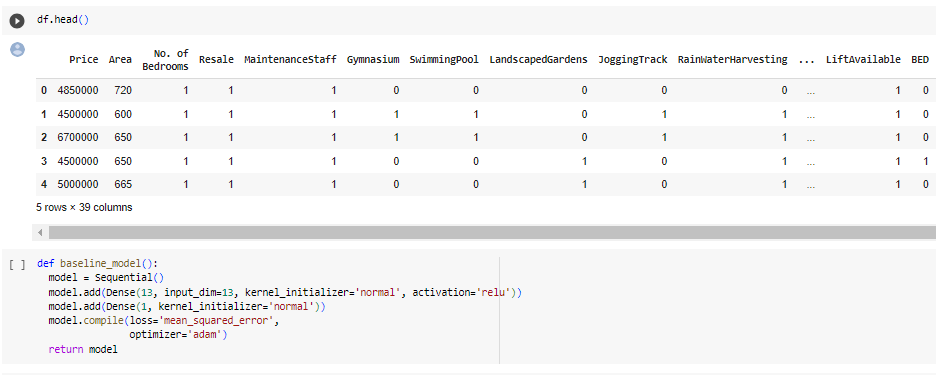




**PRACTICAL: 5**

**Aim: Using a deep feed forward network with two hidden layers for performing linear regression and predicting values.**



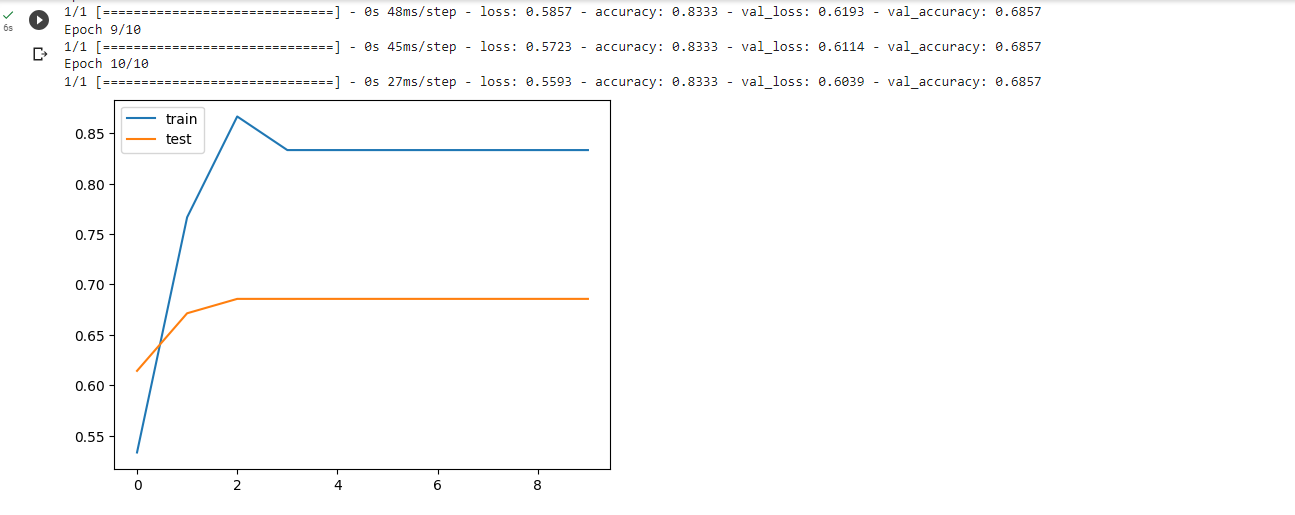




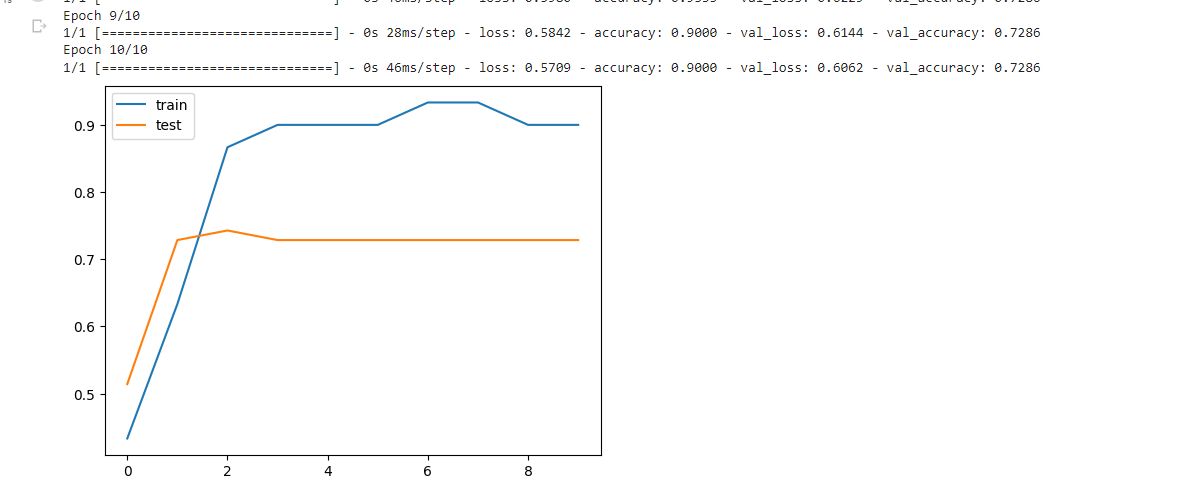
**PRACTICAL: 6**

**Aim : Evaluating feed forward deep network for multiclass Classification using K-Fold cross-validation.**

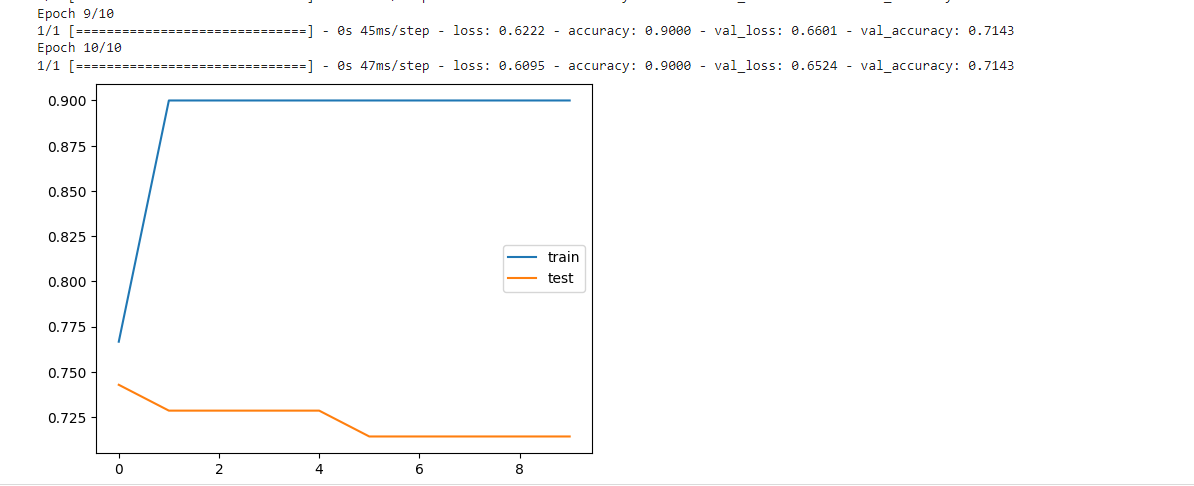
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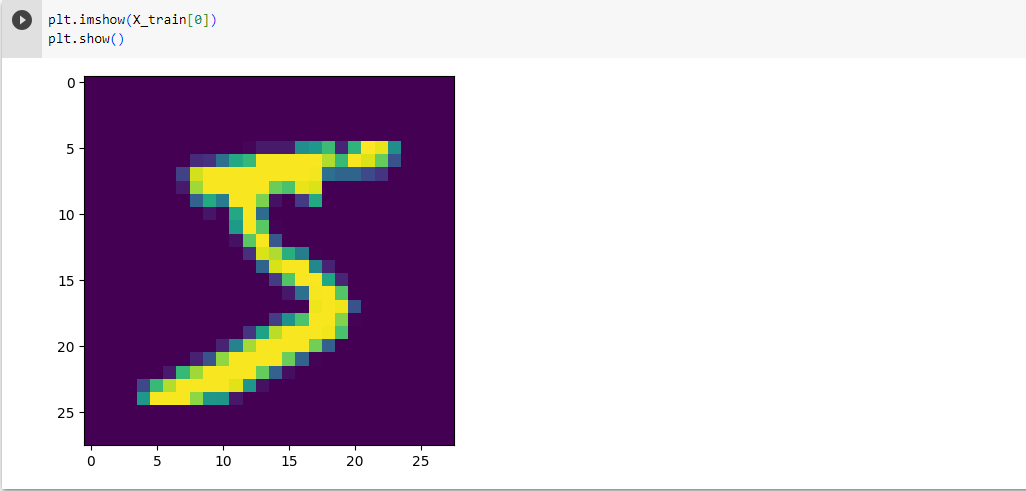
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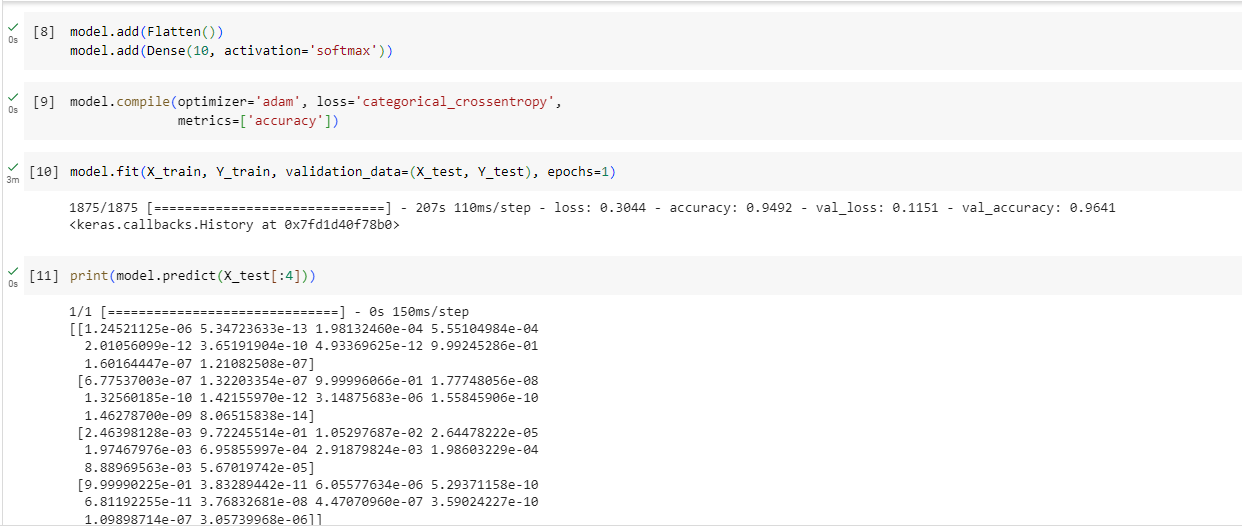
**PRACTICAL: 7**

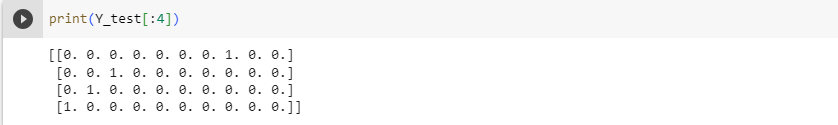
**Aim: Implementation of convolutional neural network to predict numbers from number images**





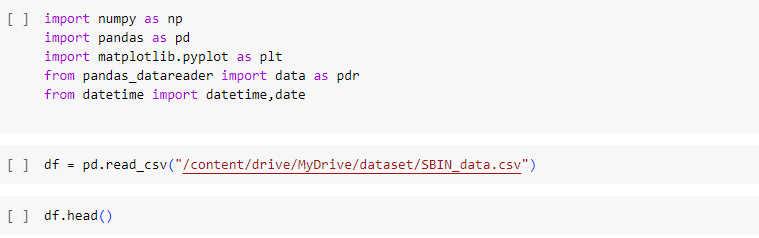


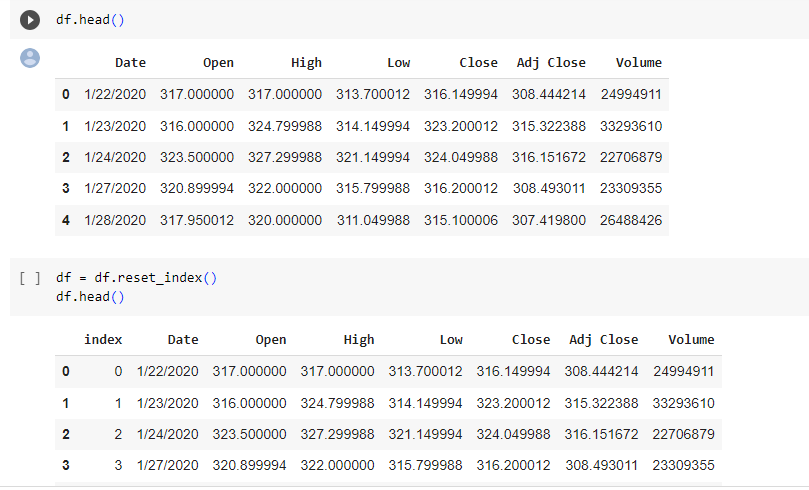




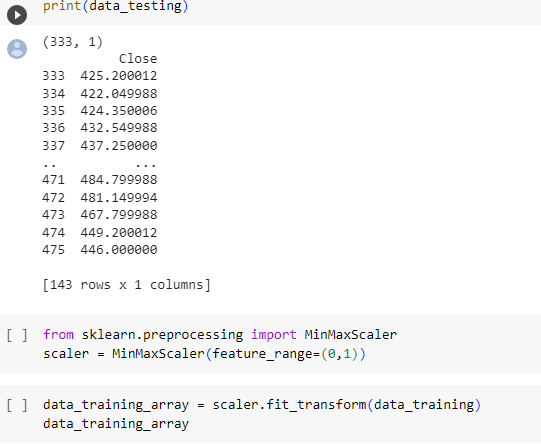
**PRACTICAL: 8**

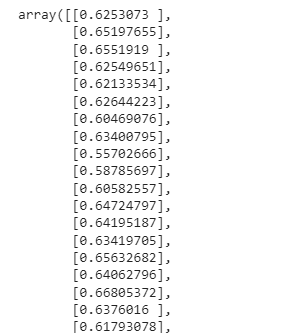
**Aim: Demonstrate recurrent neural network that learns to perform sequence analysis for stock price**.

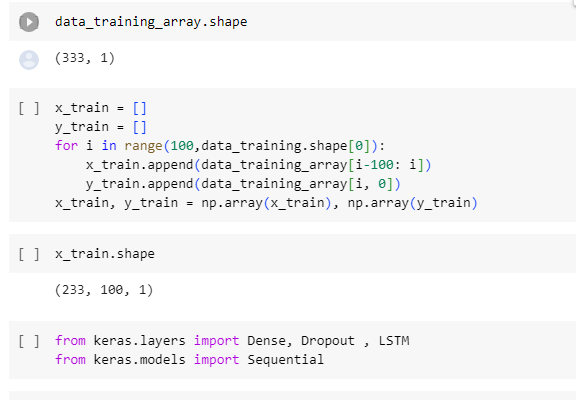


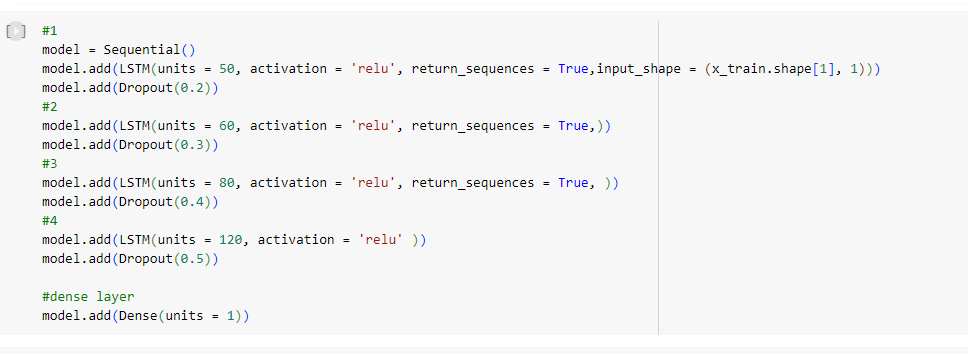


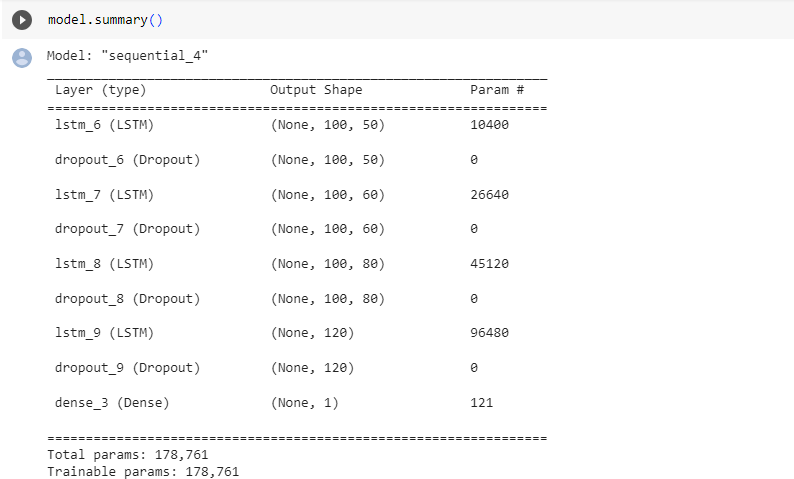


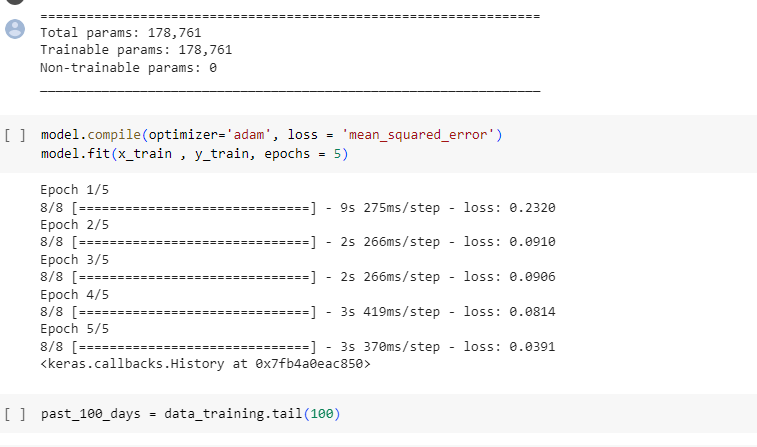


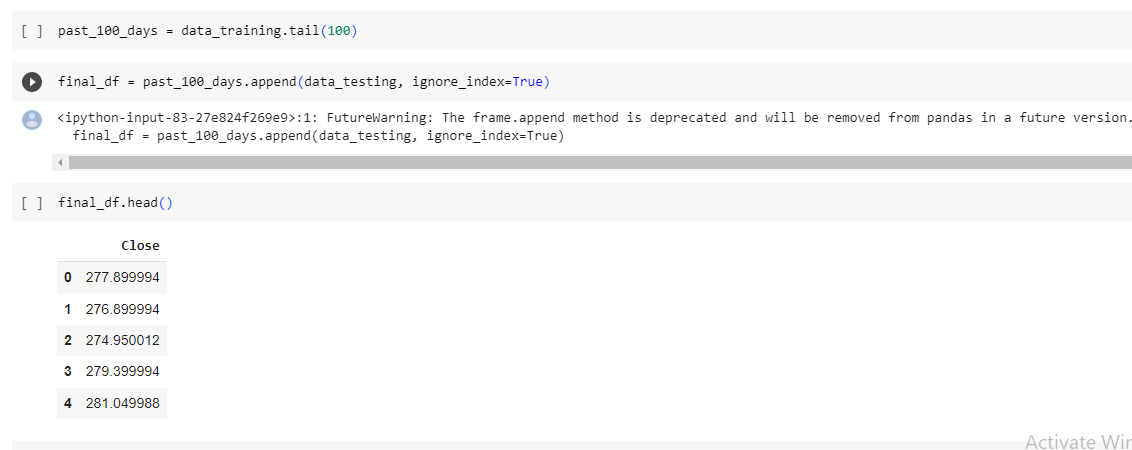




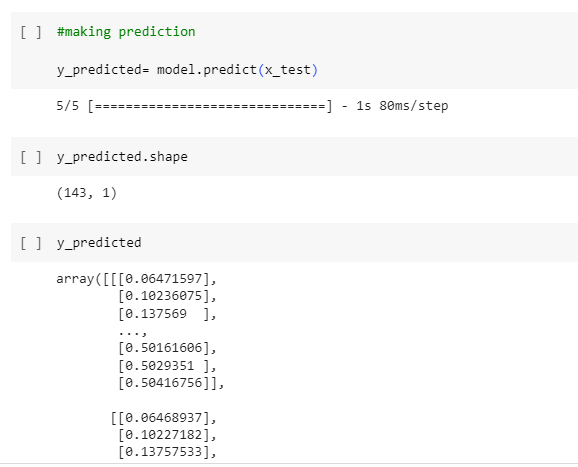


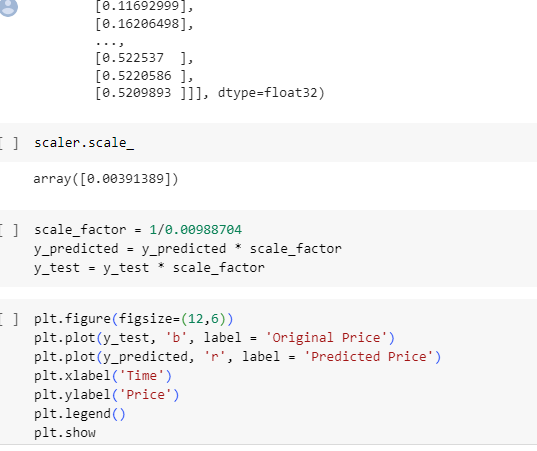


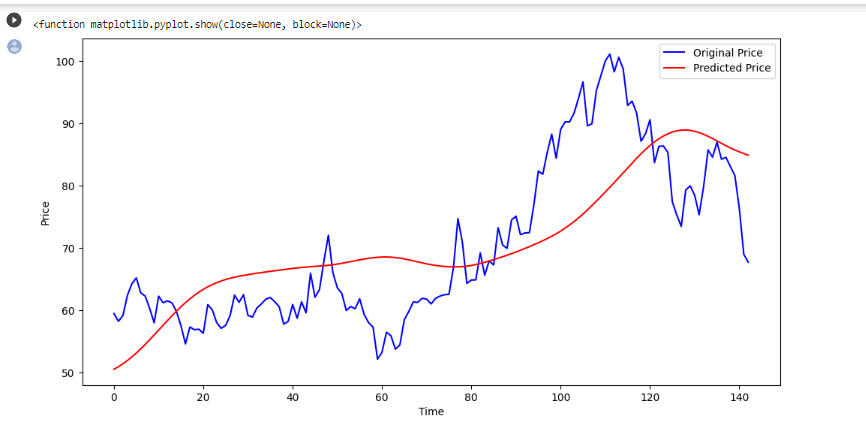












**PRACTICAL: 9**

**9A] Performing encoding and decoding of images using deep Autoencoder.**

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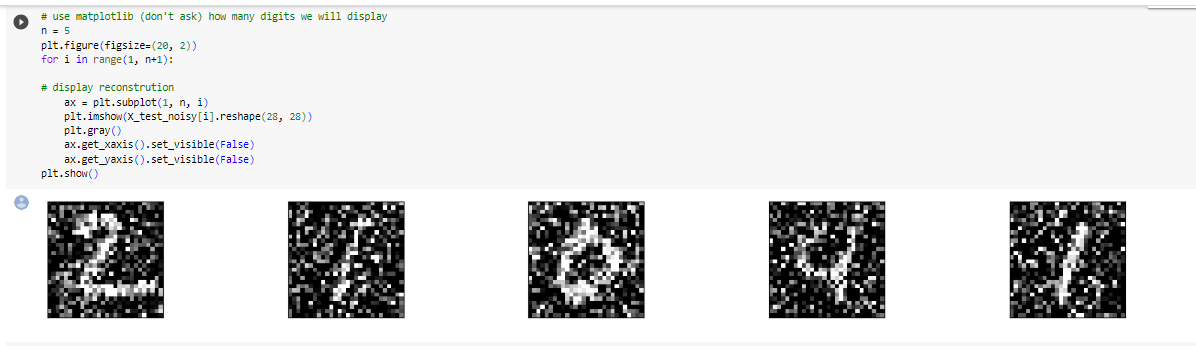
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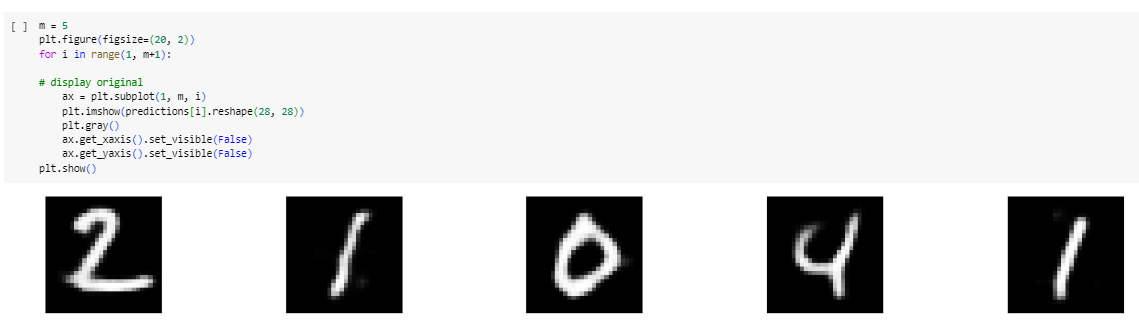
**PRACTICAL: 10**

**10A] Denoising of images using Autoencoder.**

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