Machine Learning Fundamentals Lab-1

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**Aim:**

1. To read in dataset in format of csv file and visualize the data using Pandas and Matplotlib libraries.
2. To show and understand different Performance measures for knowing how well a model performs for the given dataset.

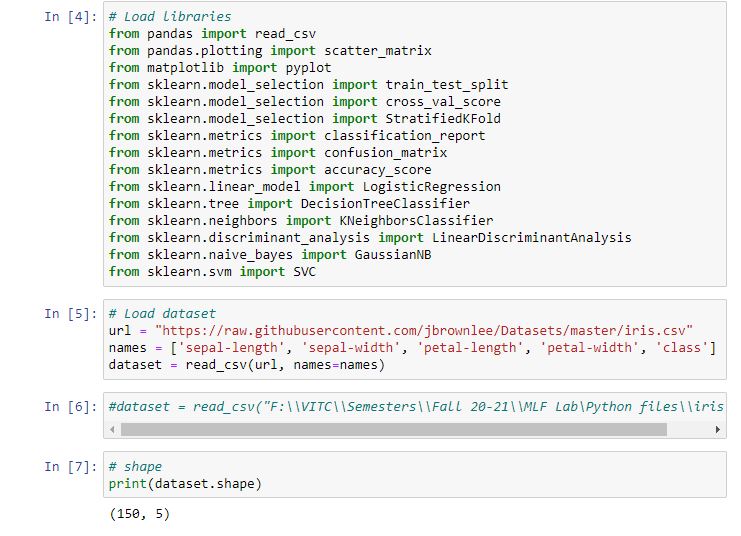
**Software Required:**

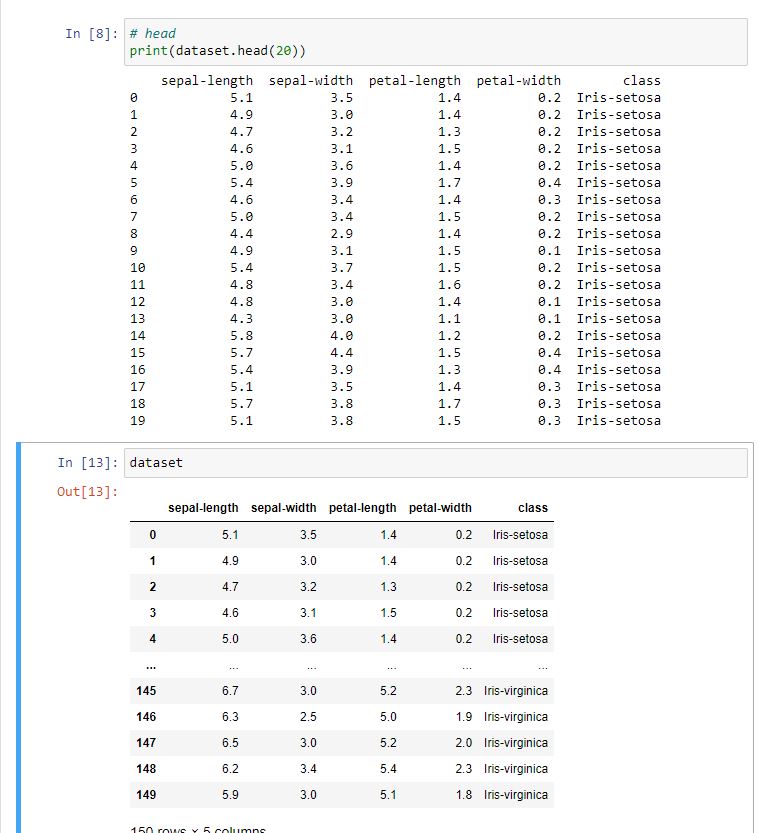
1. Anaconda Navigator
2. Jupyter Notebook

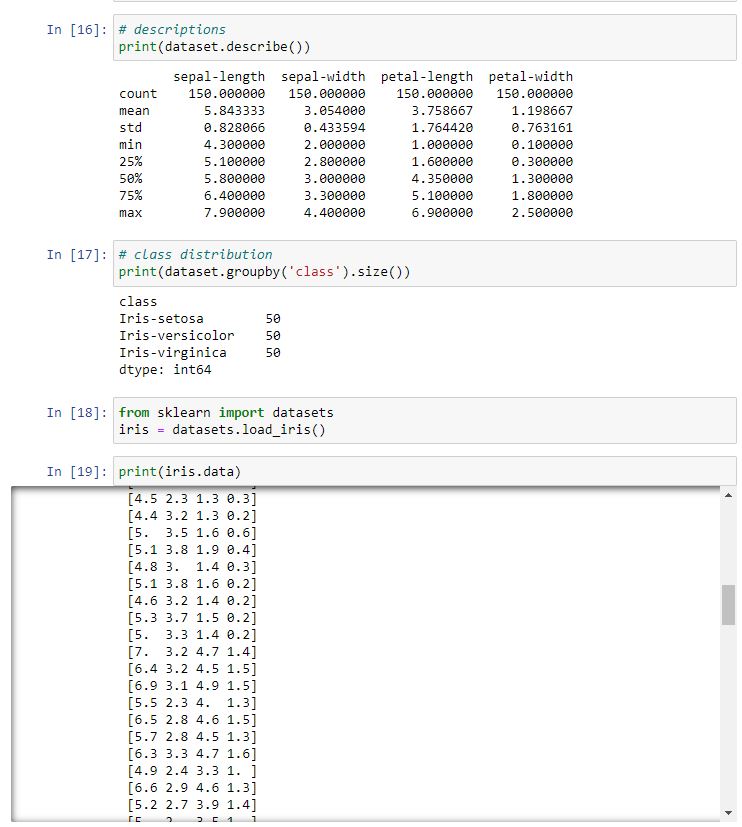
**Libraries Required:** Numpy, Sci-kit Learn, Pandas, Matplotlib

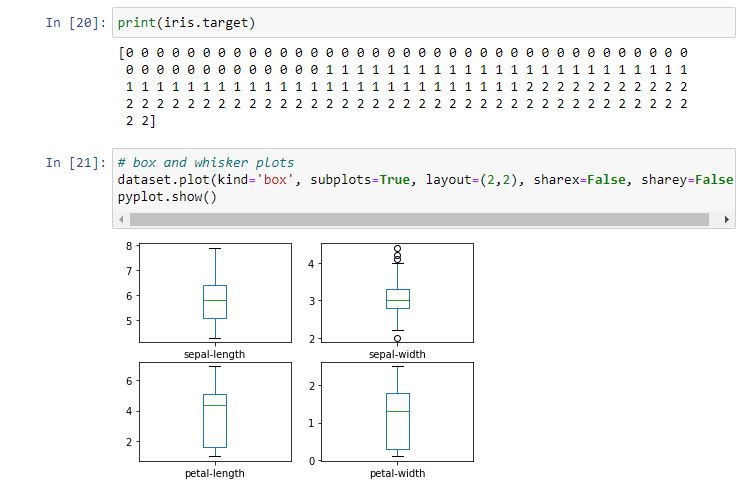
**Code And Outputs: Part a)**

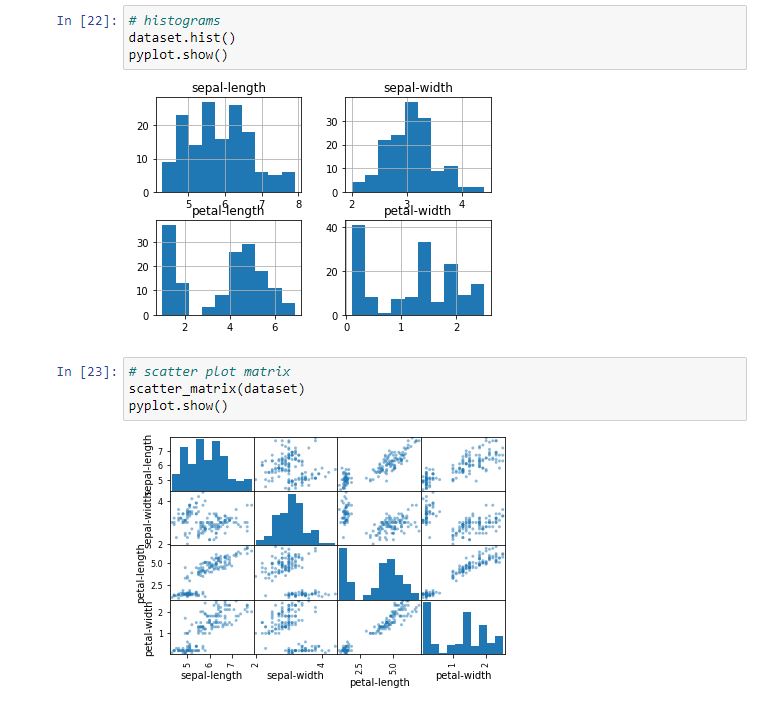
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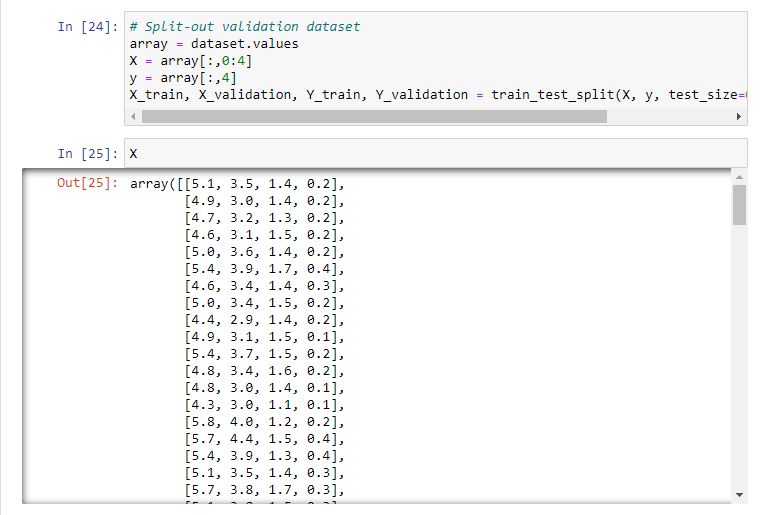
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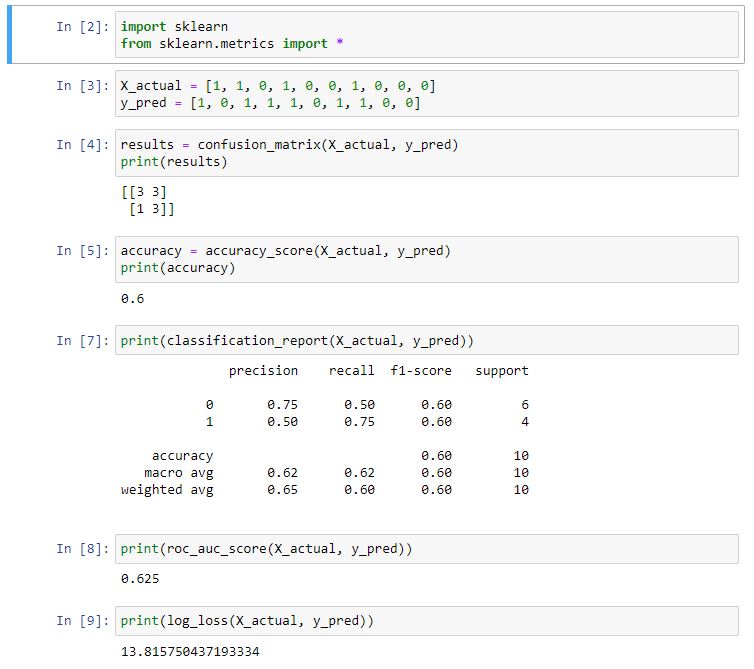
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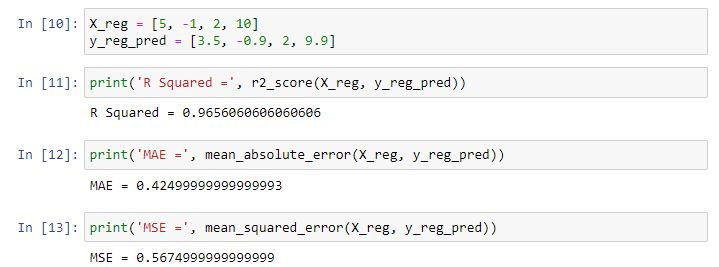
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**Part b)**

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**Inference:** So from the above code, we have imported the required libraries for performing various functionalities, for the first part we read in the iris dataset as csv file using pd.read\_csv a function in pandas library and using scatter plot function in pandas and pyplot function in matplotlib to visualize the dataset. In next part we have used sci-kit learn to understand about various performance measures, these measures helps us to understand how well a model works with different measures.

**Result:** All the code and output have been executed and shown for the respective cells in jupyter notebook and calculated performance measures are also shown.