Write-up	Correctness of Program	Documentation of Program	Viva	Timely Completion	Total	Dated Sign of Subject Teacher
4	4	4	4	4	20	

Expected Date of Completion:..... Actual Date of Completion:.....

Group A

Assignment No: 10

Title of the Assignment: Data Visualization III

Download the Iris flower dataset or any other dataset into a DataFrame. (e.g., https://archive.ics.uci.edu/ml/datasets/Iris). Scan the dataset and give the inference as:

1. List down the features and their types (e.g., numeric, nominal) available in the dataset.
2. Create a histogram for each feature in the dataset to illustrate the feature distributions.
3. Create a box plot for each feature in the dataset.
4. Compare distributions and identify outliers.

Objective of the Assignment: Students should be able to perform the data Visualization operation using Python on any open source dataset

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Prerequisite:

1. Basic of Python Programming
2. Seaborn Library, Concept of Data Visualization.
3. Types of variables

Assignment Questions

1. **For the iris dataset, list down the features and their types.**
2. **Write a code to create a histogram for each feature. (iris dataset)**

3. **Write a code to create a boxplot for each feature. (iris dataset)**
4. **Identify the outliers from the boxplot drawn for iris dataset.**