

## **Group A**

### **Assignment No: 10**

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#### **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.

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**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
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#### **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.**