**Data Science for Engineers**

**Lab Report 4**

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**Section-7A**

Tabular data handling and manipulation

**INTRODUCTION:**

An Information control is the most common way of changing or adjusting information to make it more discernible and coordinated.You can, for instance, speed up the process of finding useful information by organizing data in alphabetical order.Website management is another example of data manipulation.In layman's terms, data manipulation is the process of moving and preparing data prior to analysis.In the meantime, there are three distinct kinds: fully automated, semi-automatic, and manual.The following are the properties of tabular data:There are rows and columns in them.For example, every melody or email message or record is a column.A column contains the song title, the subject of the message, and the filename of each of their characteristics.

**OBJECTIVES:**

1. To be able to use Python Libraries to read tabular data from csv files.
2. To be able to manipulate data in dataframes.

**Application:**

The Structured Query Language (SQL) is a common data manipulation language that uses Insert, Select, and Update statements to update and retrieve data from a relational database. Tabular presentation serves as the foundation for statistical analysis.The tabular data presentation also makes it easier to create graphs and diagrams for advanced data analysis.

**Issues:**

we never find any issue regarding this lab.

**Conclusion:**

In this lab we handle the following tasks

* To be able to use Python Libraries to read tabular data from csv files.
* To be able to manipulate data in data frames.