

## **Assignment 1**

**Title: Familiarity with various sources of real life databases.**

**Objective: to study and understand different real life database**

### **Objectives:**

1. **Understand Different Database Types** – Explore various real-life databases such as relational databases (SQL), NoSQL databases (MongoDB), cloud databases, and spreadsheet-based databases (Excel, Google Sheets).
2. **Learn Data Sources in Different Domains** – Identify and examine real-world databases used in fields like healthcare, finance, e-commerce, education, and government sectors.
3. **Explore Database Formats** – Understand the structure and formats of databases, including CSV, JSON, XML, SQL, and API-based data retrieval.

### **Theory:**

#### **Part –A (to be performed individually)**

Study of few real life databases in brief including its features, type of database, what kind of data they store and how? , working, applications and other aspects related to particular database. Follow the objectives while studying the databases and include your finding/ study here in theory section.

#### **Part-b –(to be performed in a group)**

Create a dataset which has qualitative and quantitative data for topic of your choice. You can use google forms to collect data for your dataset. Make the list of questions for google form depending on your topic and what kind of data you want to collect. Take help of similar datasets from kaggle.

Ex- customer dataset, employee dataset, restaurant review or movie review etc.

### **Conclusion:**

**Conclude what you have learned/ key takeaways from assignment.**