

## Day 7 – Python Training

### Different Types of Databases:

- SQLite3: A lightweight database system that doesn't need a server — perfect for small applications.
- MySQL: A widely used open-source relational database system.
- MongoDB: A NoSQL database that stores data in JSON-like documents.

### Basic Database Operations (SQLITE3):

- Creating a database
- Creating and deleting tables
- Inserting records
- Retrieving data using SELECT
- Updating and deleting records
- Committing transactions

### Why COMMIT;

I learned that until you use COMMIT, the changes don't get saved permanently in the database. It's like writing in pencil until you press save!

### Assignments:-

- Create a small student database with at least 5 entries.
- Try deleting, updating, and retrieving specific data using filters like WHERE.
- Create and drop multiple tables and notice the structure

- Make menu based data enteries in table

Creating table

Delete table

Retervie table enteries

Delete databases