

Each Function and What Their Functionality

1. ***Insert Data Function*:**
 - a. Adds new records to a specified table in the database.
2. ***Delete Data Function*:**
 - a. Removes records from a table based on a given condition.
3. ***Update Data Function*:**
 - a. Modifies existing records in a table based on a specified condition.
4. ***Search Data Function*:**
 - a. Retrieves records from a table that match specific criteria.
5. ***Aggregate Functions Function*:**
 - a. Performs calculations like sum, average, count, min, and max on data in a table.
6. ***Sorting Function*:**
 - a. Arranges query results from a table based on specified columns in ascending or descending order.
7. ***Joins Function*:**
 - a. Combines data from multiple tables using relationships established between them like inner, left, right, and outer join.
8. ***Grouping Function*:**
 - a. Groups query results based on specified columns.
9. ***Subqueries Function*:**
 - a. Supports nested operations within queries.
10. ***Transactions Function*:**
 - a. Ensures consistency of a database operation by wrapping multiple SQL statements within a transaction block.
11. ***Error Handling Function*:**
 - a. Implements mechanisms to catch and handle exceptions during database operations.