SQL Practice Database – Detailed Explanation

1. Create Database

This command creates a new database named **himesh** which will store tables and data for practice.

2. Use Database

The **USE** statement selects the database so all further queries are executed inside it.

3. Create USER Table

Creates a table named **user** with columns: id (auto-increment primary key), name, email (unique), gender (ENUM), and date of birth.

4. Select Data

SELECT * retrieves all columns and records from the user table.

5. ALTER Table – Add Column

Adds a new column **is_active** with default value TRUE.

6. ALTER Table – Drop Column

Removes the **is_active** column from the table.

7. Insert Data

Inserts single and multiple records into the user table using INSERT INTO.

8. Create Teachers Table

Creates a teachers table with personal details, salary, and automatic timestamp.

9. Insert Teachers Data

Inserts 25 sample teacher records for practice and analysis.

10. Select Teachers Table

Displays all records from the teachers table using SELECT *.