

Task 2 : Data Insertion and Handling Nulls

- **Objective:** Practice inserting, updating, and deleting data.
- **Tools :** DB Fiddle / SQLiteStudio
- **Deliverables:** SQL file with INSERT, UPDATE, DELETE statements

Hints/Mini Guide:

1. Use INSERT INTO for adding rows
2. Handle missing values using NULL or default
3. Use UPDATE and DELETE with WHERE conditions

Outcome: A populated database with clean and consistent data

Interview Questions:

1. Difference between NULL and 0?
2. What is a default constraint?
3. How does IS NULL work?
4. How do you update multiple rows?
5. Can we insert partial values?
6. What happens if a NOT NULL field is left empty?
7. How do you rollback a deletion?
8. Can we insert values into specific columns only?
9. How to insert values using SELECT?
10. What is ON DELETE CASCADE?

Key Concepts: DML, Null handling

Submit Here:

After completing the task, paste your GitHub repo link and submit it using the link below:

-  [\[Submission Link\]](#).

📌 Task Submission Guidelines

- 🕒 **Time Window:**

You can complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10 :00 PM

- 🔍 **Self-Research Allowed:**

You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

- 🔧 **Debug Yourself:**

Try to resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

- 💰 **No Paid Tools:**

If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

- 📁 **GitHub Submission:**

Create a new GitHub repository for each task.

Add everything you used for the task — code, datasets, screenshots (if any), and a **short README.md** explaining what you did.

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Best
of
Luck

