Task 8: Stored Procedures and Functions

- **Objective**: Learn reusable SQL blocks
- **Tools** :DB Browser for SQLite / MySQL Workbench
- **Deliverables**: At least one stored procedure and one function

Hints/Mini Guide:

1. Use CREATE PROCEDURE and CREATE FUNCTION
2. Use parameters and conditional logic

- **Outcome:**   Ability to modularize SQL logic

Interview Questions:

1. Difference between procedure and function?
2. What is IN/OUT parameter?
3. Can functions return tables?
4. What is RETURN used for?
5. How to call stored procedures?
6. What is the benefit of stored routines?
7. Can procedures have loops?
8. Difference between scalar and table-valued functions?
9. What is a trigger?
10. How to debug stored procedures?

Key Concepts: **Procedures, Functions**

📤 **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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