

## 3-day structured (not scattered) SQL challenge plan.

### ? Why I Took This SQL Challenge

You took this challenge because:

#### 1 ☐ I want a strong foundation

I realized that without mastering SQL fundamentals (SELECT, WHERE, JOIN, GROUP BY, constraints, relationships), moving to Data Engineering or Cloud roles becomes difficult.

#### 2 ☐ I want to remove fear & confusion

Earlier you were learning SQL “randomly” from YouTube, but the concepts were not sticking.

This 3-day structured challenge gives you:

- A clean starting point
- A fixed routine
- Clear topics
- Practical questions

#### 3 ☐ My goal is a high-salary tech role

You want to switch roles (Data Engineer / Cloud / Database), so SQL is the backbone.

#### 4 ☐ I want discipline & consistency

You want a **daily habit**, not scattered learning.

### **Scattered Learning = Random Learning**

This happens when:

- One day you watch a JOIN video
- Next day you watch GROUP BY
- Then you jump to subqueries
- Then back to WHERE
- No proper order
- No revision
- No practice plan

Your brain gets **scattered information**, not a complete picture.

**Scattered learning = Here and there, randomly, without structure**

**Not scattered learning = Proper plan, sequence, and focus**

## ❓ Difficulties You Faced

Here are the exact realistic challenges I faced while learning SQL:

### 1 ☐ I understood the concept but got confused in real questions

Example:

- When to use **WHERE** vs **HAVING**
- When to use **GROUP BY**
- How to think in “table format”

Understanding theory was easy, but solving questions was harder.

### 2 ☐ I struggled with table relationships

You faced problems like:

- How two tables connect
- Meaning of **primary key** & **foreign key**
- Why tables should be linked
- How JOIN works practically

### 3 ☐ I were mixing multiple topics

For example:

- Writing ORDER BY before WHERE
- Writing GROUP BY without aggregate
- Forgetting semicolons
- Getting confused between VARCHAR vs INT

### 4 ☐ You didn't have real-life examples before

Earlier, you knew SQL as theory words, not real business cases like:

- “Get all employees older than 30”
- “Find total salary by department”
- “Get top 3 highest paid people”

When examples came, they felt confusing.

### 5 ☐ You were afraid of making mistakes

You felt:

- “What if my query is wrong?”
- “What if I don’t understand the table?”

This slowed down your speed.

- You took this 3-day SQL Foundation Challenge because you want a strong, clear, consistent SQL base for your data career.  
The main difficulties you faced were confusion with SQL syntax, understanding table relationships, real-world problem solving, and fear of making mistakes. Now you’re fixing them step by step through structured practice.

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