



# SQL Interview Technical Round Questions asked in recent days.

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## Monthly Revenue Trends by Category:

**Objective:** Analyze revenue growth across categories

### Challenge 1 :

**Write a SQL query to calculate total revenue per category monthly and identify the top 3 categories with the highest month-over-month revenue growth.**

### Monthly Revenue Trends by Category Table:

**Transaction\_id, Product\_id, Amount\_spent, Transaction\_date)**

**products(Product\_id, Category)**

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# Customer Retention Analysis:

**Objective: Understand user loyalty**

## Challenge 2 :

**Calculate the monthly retention rate over the past year—% of users returning in the following month.**

## Customer Retention Analysis Table:

**customer\_visits(Customer\_id,  
Visit\_date)**

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## Product Affinity Analysis:

**Objective: Uncover frequently bought-together items**

### Challenge 3 :

**Write a query to find product pairs commonly appearing in the same order. Show the frequency and rank by most common combinations.**

### Product Affinity Analysis Table:

**order\_details(Order\_id, Product\_id, Quantity)**

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## Breakdown :

**These questions go beyond syntax — they test your ability to extract insights, identify patterns, and drive decisions with data.**

**If you're practicing for SQL interviews, bookmark this and try solving each one!**

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