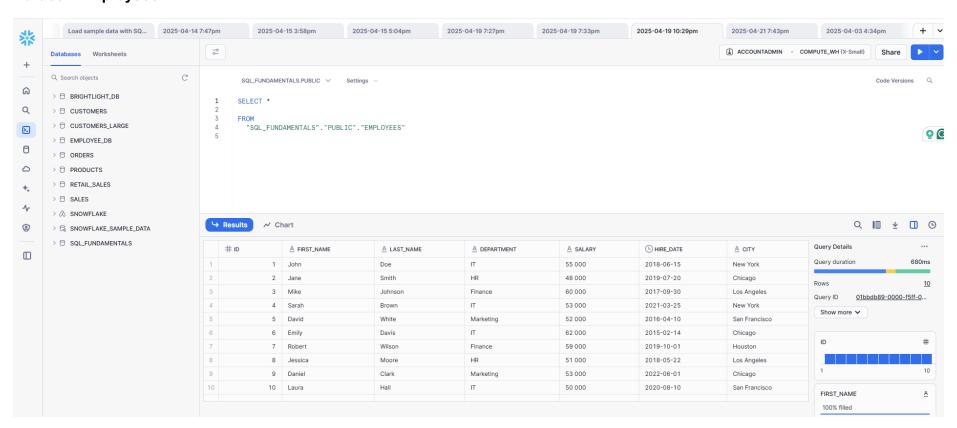
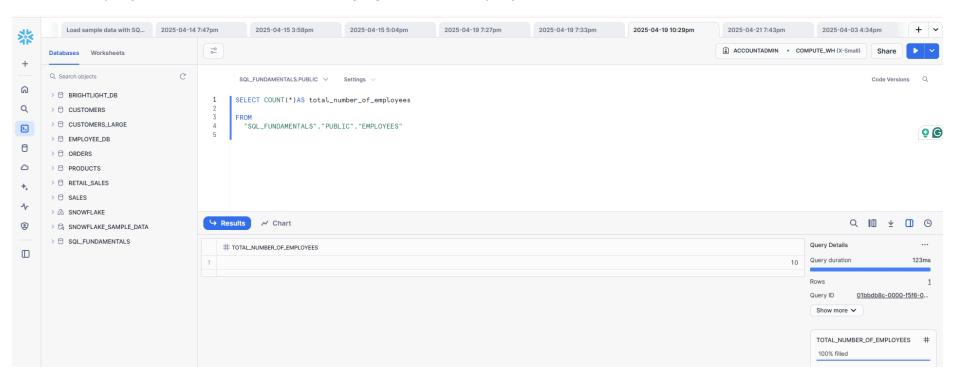
### **SQL Exercise 2: Aggregate Functions & Grouping**

### **Dataset: Employees**



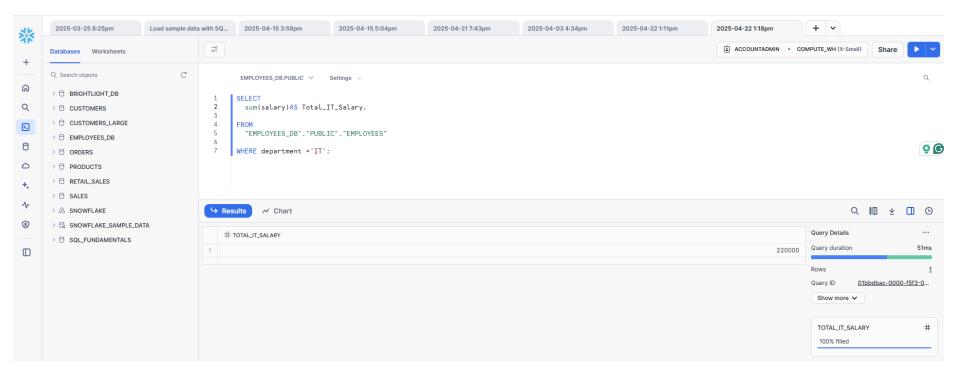
## Question 1 - COUNT () Function

Write a SQL query to find the **total number of employees** in the company.



# Question 2 - SUM() Function

Find the total salary paid to all employees in the IT department.



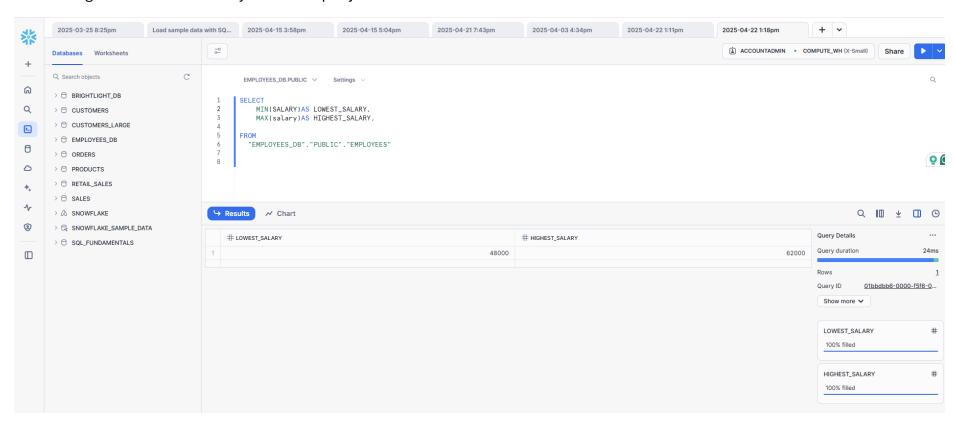
# Question 3 - AVG() Function

Calculate the average salary of employees in the HR department.



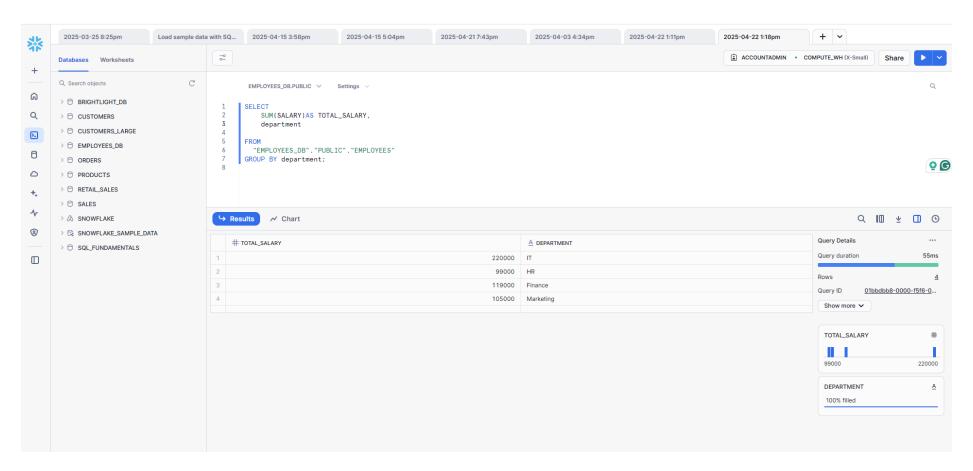
## Question 4 - MIN() and MAX() FUNCTIONS

Find the highest and lowest salary in the company.



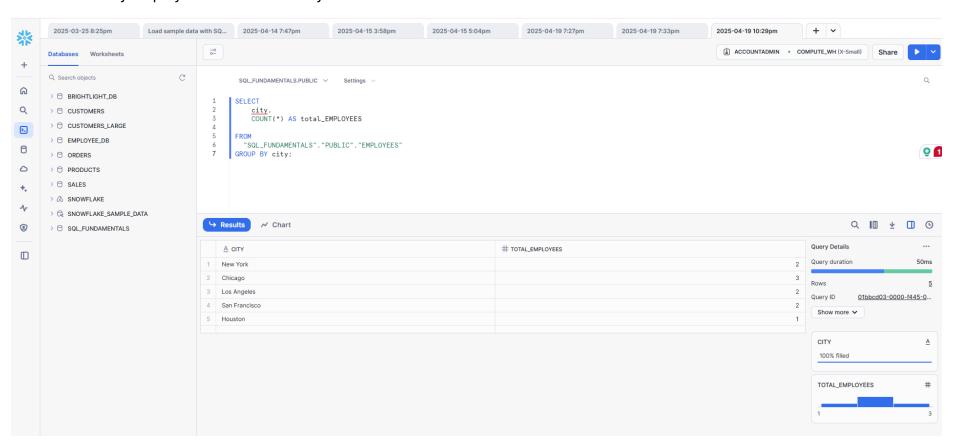
#### Question 5 – **GROUP BY Statement**

Group employees by department and display the total salary paid in each department.



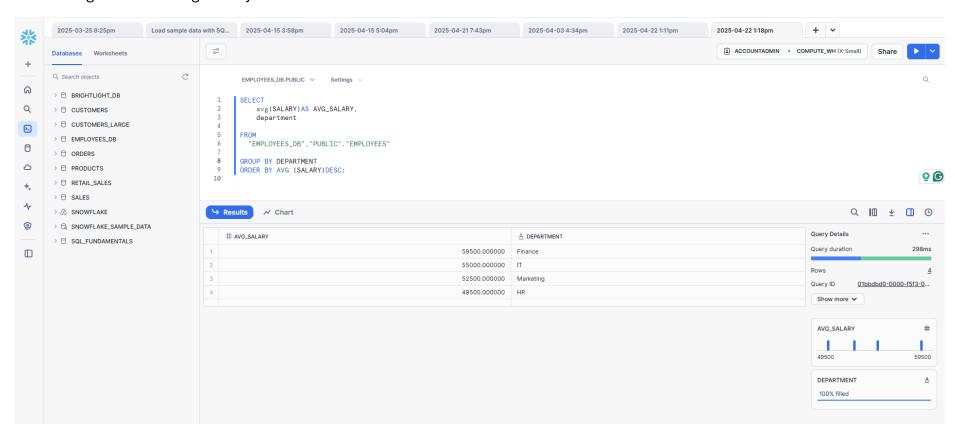
## Question 6 - GROUP BY and COUNT()

Count how many employees work in each city.



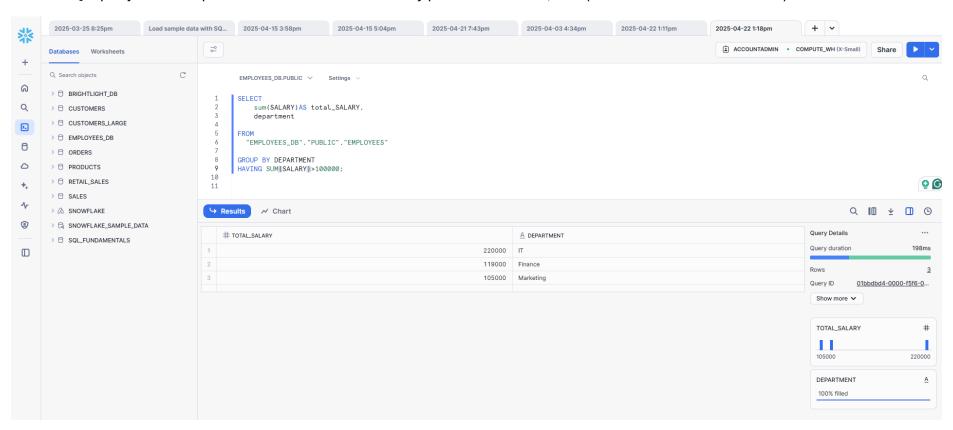
### Question 7. GROUP BY and ORDER BY

Write a SQL query to group employees by department, calculate the average salary in each department, and order the results in descending order of average salary.



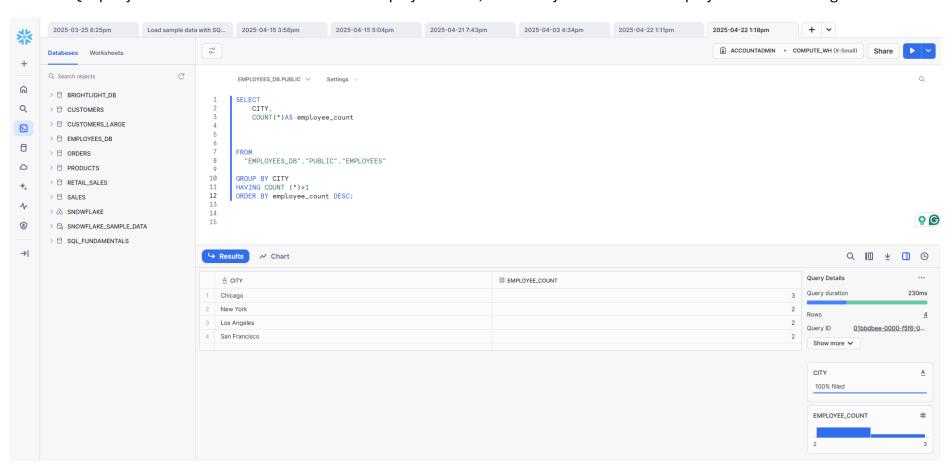
### Question 8. HAVING Clause

Write a SQL query to find departments where the total salary paid exceeds 100,000. (Use GROUP BY and HAVING)



### Question 9. Combining GROUP BY, HAVING, and ORDER BY

Write a SQL query to list cities where more than one employee works, ordered by the number of employees in descending order.



# Question 10. Combining Aggregate Functions

Write a SQL query to find the department with the highest average salary.

