



COURSE 2 - MYSQL DATABASE

(Unit - 07 : Group By Having Order by Practice Questions)

Instruction

- Make sure to follow the standards and naming conventions while creating tables, columns, etc.
- Please create a database schema before starting SQL operations if the schema doesn't exist.
- Ensure you set the database scheme you want to work with before starting SQL operations.
- Make sure to include audit columns with default values when creating tables so the system will use them if the user provides no value.
- Be sure to include the necessary columns when creating tables to maintain the history of the event or transaction.

1.Order By

1. List all customers sorted by their names in ascending order.
2. Retrieve all products sorted by their prices in descending order.
3. Show all sales sorted by their IDs in ascending order.
4. Display all sales details sorted by product IDs in descending order.
5. List all customers sorted by their country in ascending order.
6. Retrieve all products sorted by their categories in ascending order.
7. Show all sales sorted by their dates in descending order.
8. Display all sales details sorted by quantity in ascending order.



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10. Retrieve all products sorted by their names in ascending order, then by their prices in descending order.

2. Group by and Having Clause

1. Find the total number of orders placed by each customer.
2. Retrieve the average price of products in each category.
3. Show the total sales amount for each customer who has spent more than \$500.
4. Display the count of orders placed in each year.
5. List the categories where the average price of products is more than \$100.
6. Show the number of orders placed by each customer in the year 2023.
7. Find the number of products in each category with an average price greater than \$50.
8. List the categories where the total sales amount is greater than \$1000.
9. Retrieve the count of orders placed on each day of the week.
10. List the customers who have placed more than 3 orders and spent more than \$1000 in total.
11. Show the average price of products for each category where the number of products is greater than 5.
12. Display the total sales amount for each month in the year 2024 where the total sales amount is greater than \$2000.