



COURSE 2 - MYSQL DATABASE

(Unit - 08 : Group Concat and RollupPractice 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.
- Schema : Sales

Practice Questions:

1. Write a query to concatenate all country names separated by commas from the dsai_m_country table.
2. Create a SQL statement to list each currency code along with a concatenated string of all countries (assuming a country-currency relationship) using GROUP_CONCAT.



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3. How can you use GROUP_CONCAT to display all currency names associated with each country code in a single row?
4. Write a query that uses GROUP_CONCAT to concatenate country names, ordered by Updated_DT descending.
5. Write a query that uses Rollup to show the total sales amount by year and then a grand total for all years. Assume the `Sales` table has columns `SaleDate` and `Amount`.
6. Create a query to display the total number of orders by customer and then an overall total using Rollup. Assume an `Orders` table with `CustomerID` and `OrderID`.
7. Use Rollup to show the total and average sales amount by product and overall. Consider a `Sales` table with `ProductID` and `Amount`.
8. Write a query with Rollup to display the total sales amount by country and city (use pincode), followed by a total for each country and a grand total. Assume a `Sales` table with `Country`, `City`, and `Amount`.
9. Create a query that uses Rollup to calculate the total and average order amount per year, per month, and then overall totals. Assume an `Orders` table with `OrderDate` and `Amount`.