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.

Group Concat

1. Write a query to concatenate all country names separated by commas from the `dsai_d_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`.
3. How can you use `GROUP_CONCAT` to display all currency names associated with each country code in a single row?
4. Construct a query using `GROUP_CONCAT` to show a single string of countries updated in the last 30 days.
5. Write a query that uses `GROUP_CONCAT` to concatenate country names, ordered by `Updated_DT` descending.

Questions on `WITH ROLLUP`

6. Use `WITH ROLLUP` to create a summary row showing the total number of countries.
7. Write a SQL query to calculate the total, per currency code, and overall count of countries (assuming a country-currency relationship).
8. How can you modify a query with `GROUP BY Country_Code` to include a rollup summary row?
9. Create a report showing the number of countries updated by year and month, including subtotals and a grand total using `WITH ROLLUP`.
10. Write a query that groups data by `Currency_Code` and includes aggregate totals for each currency and a grand total using `WITH ROLLUP`.

Combined `GROUP_CONCAT` and `WITH ROLLUP` Questions

11. Can you produce a report listing all countries per currency, including a total count of countries for each currency and a grand total, using `GROUP_CONCAT` and `WITH ROLLUP`?
12. Write a SQL statement that lists each currency and a concatenated string of associated countries, including a row for the total count of currencies.
13. How would you create a summary query that shows, for each currency, a concatenated list of countries and the total number of countries, concluding with a grand total row?
14. Develop a query to group countries by their updated year, concatenating country names within each year, and include a total countries count per year and overall.
15. Formulate a query that uses both `GROUP_CONCAT` and `WITH ROLLUP` to summarize country names by currency, including subtotals by currency and a grand total