INNER JOIN Query Example with Explanation

This document demonstrates the use of an INNER JOIN to combine the 'countries' and 'currencies' tables. The results include only rows where there is a match on the 'code' column between the two tables. The query filters for countries in the 'North America' region or rows with NULL country names.

-- SQL Query Using INNER JOIN

SELECT name AS country, code, region, basic_unit
FROM countries
-- Join to currencies
INNER JOIN currencies
USING (code)
WHERE region = 'North America'
    OR name IS NULL
ORDER BY region;

Explanation: This query uses an INNER JOIN to retrieve only rows where there is a match between the 'countries' and 'currencies' tables on the 'code' column. The USING clause simplifies the join condition by directly specifying the common column. The WHERE clause filters the results to include rows where:
1. The region is 'North America', or
2. The country name is NULL (to include unmatched rows).
Finally, the ORDER BY clause organizes the results by the 'region' column.