

Cleaning Up Results - Correct Answer

Learn / Courses / PostgreSQL Summary Stats and Win...

← Course Outline →

Daily XP 476

Exercise

Cleaning up results

Returning to the breakdown of Scandinavian awards you previously made, you want to clean up the results by replacing the nulls with meaningful text.

Instructions

100 XP

- Turn the nulls in the Country column to All countries, and the nulls in the Gender column to All genders.

Take Hint (-30 XP)

query.sql

Light Mode

```
1 SELECT
2   -- Replace the nulls in the columns with meaningful text
3   COALESCE(Country, 'All countries') AS Country,
4   COALESCE(Gender, 'All genders') AS Gender,
5   COUNT(*) AS Awards
6 FROM Summer_Medals
7 WHERE
8   Year = 2004
9   AND Medal = 'Gold'
10  AND Country IN ('DEN', 'NOR', 'SWE')
11 GROUP BY ROLLUP(Country, Gender)
12 ORDER BY Country ASC, Gender ASC;
```

Run Code Submit Answer

query result summer_medals

No query executed yet...

Showing 0 out of 0 rows

Returning to the breakdown of Scandinavian awards you previously made, you want to clean up the results by replacing the nulls with meaningful text. Turn the null in the Country column to 'All countries', and the null in the Gender column to 'All genders'.

Correct Answer

```
SELECT
  -- Replace the nulls in the columns with meaningful text
  COALESCE(Country, 'All countries') AS Country,
  COALESCE(Gender, 'All genders') AS Gender,
```

```
COUNT(*) AS Awards
FROM Summer_Medals
WHERE
    Year = 2004
    AND Medal = 'Gold'
    AND Country IN ('DEN', 'NOR', 'SWE')
GROUP BY ROLLUP(Country, Gender)
ORDER BY Country ASC, Gender ASC;
```

Explanation

1. **Purpose:** Clean up null values in the output by replacing them with meaningful text.
2. **Replacing Null Values:**
 - `COALESCE(Country, 'All countries')`: Replaces nulls in the `Country` column with 'All countries'.
 - `COALESCE(Gender, 'All genders')`: Replaces nulls in the `Gender` column with 'All genders'.
3. **Filtering Criteria:**
 - `Year = 2004`: Focuses on medals awarded in 2004.
 - `Medal = 'Gold'`: Includes only gold medals.
 - `Country IN ('DEN', 'NOR', 'SWE')`: Filters results to Denmark, Norway, and Sweden.
4. **Using ROLLUP for Subtotals:**
 - `GROUP BY ROLLUP(Country, Gender)`: Generates group-level subtotals for:
 - `(Country, Gender)`: Counts by both country and gender.
 - `(Country)`: Subtotals by country.
 - `()`: The grand total.
5. **Sorting Results:** Results are ordered alphabetically by country and gender.