SQLBolt Queries with aggregates (Pt. 2) Exercise 11 — Tasks

Source:

Q) Find the number of Artists in the studio (without a HAVING clause)

Ans:
SELECT COUNT(role)
FROM employees
WHERE role="Artist";

Explanation:

- `COUNT(role)`: Counts the number of non-NULL entries in the `role` column.

- `WHERE role = "Artist"`: Filters the employees to include **only Artists**.

Q) Find the number of Employees of each role in the studio

Ans:
SELECT role, COUNT(role)
FROM employees
GROUP BY role;

Explanation:

- `GROUP BY role`: Groups all employees by their roles.

- `COUNT(role)`: For each group (role), counts how many employees belong to that role.

Q) Find the total number of years employed by all Engineers

Ans:
SELECT SUM(years_employed)
FROM employees
WHERE role="Engineer";

Explanation:

- `SUM(years_employed)`: Adds up the years of employment for all filtered employees.

- `WHERE role = "Engineer"`: Includes **only Engineers** in the sum.

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