SQLBolt Queries with expressions Exercise 9 − Tasks

Source: https://sqlbolt.com/lesson/select_queries_with_expressions

Q) List all movies and their combined sales in millions of dollars

Ans:
SELECT title, (domestic_sales + international_sales) / 1000000 AS
gross_sales_millions
FROM movies
  JOIN boxoffice
    ON movies.id = boxoffice.movie_id;

Explanation:

- `JOIN`: Combines the `movies` and `boxoffice` tables using the matching `id` and `movie_id` fields.

- `domestic_sales + international_sales`: Adds the two sales figures to get total sales.

- `/ 1000000`: Converts the total into **millions of dollars**.

- `AS gross_sales_millions`: Gives a clear alias to the calculated column.

Q) List all movies and their ratings in percent

Ans:
SELECT title, rating * 10 AS rating_percent
FROM movies
  JOIN boxoffice
    ON movies.id = boxoffice.movie_id;

Explanation:

- The `rating` is originally stored as a decimal (e.g., 0.87).

- `rating * 10`: Multiplies it by 10 to express it as a **percentage** (e.g., 8.7 becomes 87%).

- `AS rating_percent`: Assigns a readable alias to the new column.

- `JOIN`: Connects the `movies` table with `boxoffice` to access the `rating`.

Q) List all movies that were released on even number years

Ans:
SELECT title, Year AS Even_year
FROM movies
WHERE Year%2=0

Explanation:

- `Year % 2 = 0`: This condition checks if the year is divisible by 2 — i.e., it's an **even year**.

- Only rows with even-numbered `year` values will be selected.

- `AS Even_year`: Renames the `Year` column for clarity.

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