SQLBolt Exercise 6 — Tasks

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

Q) Find the domestic and international sales for each movie

Ans:
SELECT m.id, domestic_sales, international_sales
FROM movies m
INNER JOIN Boxoffice b on
m.id = b.movie_id;

Explanation:

- `INNER JOIN`: Combines rows from both `movies` and `boxoffice` tables where the `id` from `movies` matches the `movie_id` from `boxoffice`.

- `m.id`: Refers to the movie's unique ID (aliased as `m`).

- `domestic_sales`, `international_sales`: These fields are pulled from the `boxoffice` table.

Q) Show the sales numbers for each movie that did better internationally rather than domestically

Ans: SOLUTION 1

SELECT Title, (b.domestic_sales+b.international_sales) as Sales_Number
FROM movies m
INNER JOIN Boxoffice b on
m.id = b.movie_id
WHERE b.international_sales > b.domestic_sales;

OR SOLUTION 2

```
SELECT title, domestic_sales, international_sales
FROM movies
 JOIN boxoffice
   ON movies.id = boxoffice.movie_id
WHERE international_sales > domestic_sales;
```

Explanation:

- Both solutions perform an `INNER JOIN` between `movies` and `boxoffice` on their common key.

- `WHERE international_sales > domestic_sales`: Filters for movies where international earnings are higher than domestic.

- In **Solution 1**, we also calculate the **total sales** using: `(b.domestic_sales + b.international_sales) AS Sales_Number`.

Q) List all the movies by their ratings in descending order

Ans:
```
SELECT Title, Rating
FROM movies
 JOIN boxoffice
   ON movies.id = boxoffice.movie_id
ORDER BY rating DESC;
```

Explanation:

- This `JOIN` brings movie titles and their ratings together.

- `ORDER BY rating DESC`: Sorts the movies by **rating from highest to lowest**.

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