SQL Bonus Challenge

1. Case 01 : J-Flix wants a quick snapshot of its entire movie collection to track content volume and growth. Retrieve the total number of movies available in the database

Query:

SELECT COUNT(movie\_id) FROM movies;

Output:

5876

1. Case 02: Mr. Popcornstein suspects extraterrestrials are subscribing—prove that humans still dominate by calculating the percentage of users from each country.

Query:

SELECT

...> country,

...> COUNT(user\_id) as user\_count,

...> (COUNT(user\_id) \* 100.0 / (SELECT COUNT(user\_id)FROM users)) AS percentage

...> FROM users

...> GROUP BY country;

Output:

Australia|299|9.96666666666667

Brazil|67|2.23333333333333

Canada|236|7.86666666666667

France|102|3.4

Germany|96|3.2

India|596|19.8666666666667

Italy|43|1.43333333333333

Japan|265|8.83333333333333

Mexico|45|1.5

Netherlands|66|2.2

Singapore|94|3.13333333333333

South Korea|168|5.6

Spain|18|0.6

United Kingdom|399|13.3

United States|506|16.8666666666667

1. Case 05: Users claim they were charged for "The Infinite Premium Plan," which doesn’t exist—find the total number of subscriptions per plan to investigate potential fraud.

Query:

SELECT

...> plan\_type,

...> COUNT(plan\_type) AS total

...> FROM subscriptions

...> GROUP BY plan\_type

...> ORDER BY total;

Output:

Student Plan|1785

Premium|2320

Standard|3097

1. Case 03: Some movies might be dominating G-Flix’s watch records—identify the top 10 most-watched movies to determine if it’s a true hit or just autoplaying endlessly.

Query:

SELECT

...> movies.movie\_id,

...> movies.title,

...> COUNT(watch\_history.watch\_id) AS watch\_count

...> FROM watch\_history

...> JOIN movies ON watch\_history.movie\_id = movies.movie\_id

...> GROUP BY movies.movie\_id, movies.title

...> ORDER BY watch\_count DESC

...> LIMIT 10;

Output:

2389|Takers|1130

3958|They Live|1017

1497|Little Nemo: Adventures in Slumberland|1012

4687|Star Wars: The Rise Of Skywalker|1001

2016|The House That Jack Built|990

2142|Green Room|984

5731|Rescue Dawn|939

4939|Splice|902

866|Space Jam: A New Legacy|901

4375|Love & Other Drugs|892

1. Case 04: Someone rated Shark Tornado 3 five stars while giving The Godfather a one-star—find the top 5 highest-rated movies based on average scores to reveal what audiences truly love.

Query:

SELECT

...> movies.movie\_id,

...> movies.title,

...> AVG(ratings.rating) AS avg\_rating,

...> COUNT(ratings.rating\_id) AS total\_reviews

...> FROM ratings

...> JOIN movies ON ratings.movie\_id = movies.movie\_id

...> GROUP BY movies.movie\_id, movies.title

...> HAVING COUNT(ratings.rating\_id) > 1

...> ORDER BY avg\_rating DESC, total\_reviews DESC

...> LIMIT 5;

Output:

1515|Planes: Fire & Rescue|5.0|5

1469|The Little Prince|5.0|5

4887|Akira|5.0|4

2983|The Lorax|5.0|4

1589|The Red Turtle|5.0|4