1. Total Number of Movies:

Query:

SELECT \* FROM movies;

SELECT COUNT(movie\_id) FROM movies;

Output:

| 5876 |
| --- |

1. Country Wise Percentage

Query:

WITH total\_users AS (

SELECT COUNT(\*) AS total FROM users

)

SELECT

country,

COUNT(\*) AS user\_count,

ROUND((COUNT(\*) \* 100.0) / (SELECT total FROM total\_users), 2) AS percentage

FROM users

GROUP BY country

ORDER BY percentage DESC;

Output:

| India | 596 | 19.87 |
| --- | --- | --- |
| United States | 506 | 16.87 |
| United Kingdom | 399 | 13.3 |
| Australia | 299 | 9.97 |
| Japan | 265 | 8.83 |
| Canada | 236 | 7.87 |
| South Korea | 168 | 5.6 |
| France | 102 | 3.4 |
| Germany | 96 | 3.2 |

1. Top 10 Movies

Query:

CREATE VIEW top\_10\_most\_watched\_movies AS

WITH movie\_watch\_stats AS (

SELECT

wh.movie\_id,

m.title,

COUNT(wh.watch\_id) AS total\_watches,

AVG(wh.watch\_duration) AS avg\_watch\_time,

m.runtime AS movie\_duration

FROM watch\_history wh

JOIN movies m ON wh.movie\_id = m.movie\_id

GROUP BY wh.movie\_id, m.title, m.runtime

),

ranked\_movies AS (

SELECT \*,

CASE

WHEN avg\_watch\_time >= movie\_duration THEN 'True Hit'

ELSE 'Autoplaying Endlessly'

END AS watch\_category

FROM movie\_watch\_stats

ORDER BY total\_watches DESC

LIMIT 10

)

SELECT \* FROM ranked\_movies;

Output:

| 2389 | Takers | 1130 | 84.9946902654867 | 107 | True Hit |
| --- | --- | --- | --- | --- | --- |
| 3958 | They Live | 1017 | 74.9832841691249 | 94 | True Hit |
| 1497 | Little Nemo: Adventures in Slumberland | 1012 | 66.8685770750988 | 85 | True Hit |
| 4687 | Star Wars: The Rise Of Skywalker | 1001 | 110.713286713287 | 141 | True Hit |
| 2016 | The House That Jack Built | 990 | 121.785858585859 | 152 | True Hit |
| 2142 | Green Room | 984 | 75.2784552845528 | 95 | True Hit |
| 5731 | Rescue Dawn | 939 | 94.2619808306709 | 120 | True Hit |
| 4939 | Splice | 902 | 82.8481152993348 | 104 | True Hit |
| 2866 | Space Jam: A New Legacy | 901 | 92.3762486126526 | 115 | True Hit |
| 4375 | Love & Other Drugs | 892 | 89.8609865470852 | 112 | True Hit |

1. Top 5 Highest Rated Movies

Query:

CREATE VIEW top\_5\_highest\_rated\_movies AS

WITH movie\_ratings AS (

SELECT

r.movie\_id,

m.title,

ROUND(AVG(r.rating), 2) AS avg\_rating,

COUNT(r.rating\_id) AS total\_reviews

FROM ratings r

JOIN movies m ON r.movie\_id = m.movie\_id

GROUP BY r.movie\_id, m.title

)

SELECT \*

FROM movie\_ratings

ORDER BY avg\_rating DESC, total\_reviews DESC

LIMIT 5;

Output:

| 1469 | The Little Prince | 5.0 | 5 |
| --- | --- | --- | --- |
| 1515 | Planes: Fire & Rescue | 5.0 | 5 |
| 460 | Natural Born Killers | 5.0 | 4 |
| 590 | Transformers: Revenge of the Fallen | 5.0 | 4 |
| 935 | Incredibles 2 | 5.0 | 4 |

1. The Subscription Swindle

Query:

SELECT

plan\_type,

COUNT(payment\_id) AS total\_subscriptions

FROM subscriptions

GROUP BY plan\_type

ORDER BY total\_subscriptions DESC;

Output:

| Standard | 3097 |
| --- | --- |
| Premium | 2320 |
| Student Plan | 1785 |

1. Immortal Subscribers

Query:

SELECT

s.user\_id,

u.name,

MIN(s.payment\_date) AS first\_subscription\_date,

MAX(s.valid\_until) AS last\_valid\_date,

ROUND(JULIANDAY(MAX(s.valid\_until)) - JULIANDAY(MIN(s.payment\_date)), 0) AS subscription\_duration\_days

FROM subscriptions s

JOIN users u ON s.user\_id = u.user\_id

WHERE s.renewed = 1

GROUP BY s.user\_id, u.name

ORDER BY subscription\_duration\_days DESC

LIMIT 5;

Output:

| 100070 | Ryan Peterson | 2024-06-02 | 2024-12-17 | 198.0 |
| --- | --- | --- | --- | --- |
| 100194 | Brian Dominguez | 2024-06-07 | 2024-12-19 | 195.0 |
| 100235 | Amy Adams | 2024-06-09 | 2024-12-21 | 195.0 |
| 100111 | Scott King | 2024-06-04 | 2024-12-15 | 194.0 |
| 100180 | James Sullivan | 2024-06-06 | 2024-12-17 | 194.0 |