**SQL BONUS ROUD**

1. Retrieve the total number of movies available in the database.

**Query:**

SELECT COUNT(\*) AS total\_movies FROM movies;

**OUTPUT:**

Total number of movies in the J-Flix database: 5,876

2.Calculate the percentage of users from each country to see if humans still dominate.

**Query:**

SELECT country,

COUNT(user\_id) AS user\_count,

ROUND((COUNT(user\_id) \* 100.0 / (SELECT COUNT(\*) FROM users)), 2) AS percentage

FROM users

GROUP BY country

ORDER BY user\_count DESC;

**OUTPUT:**

|  |  |  |
| --- | --- | --- |
| Country | Users | Percentage (%) |
| India | 596 | 19.87 |
| United States | 506 | 16.87 |
| United Kingdom | 399 | 13.30 |
| Australia | 299 | 9.97 |
| Japan | 265 | 8.83 |
| Canada | 236 | 7.87 |
| South Korea | 168 | 5.60 |
| France | 102 | 3.40 |
| Germany | 96 | 3.20 |
| Singapore | 94 | 3.13 |
| Brazil | 67 | 2.23 |
| Netherlands | 66 | 2.20 |
| Mexico | 45 | 1.50 |
| Italy | 43 | 1.43 |
| Spain | 18 | 0.60 |

3.Identify the top 10 most-watched movies based on watch history.

**Query:**

SELECT m.title, COUNT(wh.watch\_id) AS watch\_count

FROM watch\_history wh

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

GROUP BY m.title

ORDER BY watch\_count DESC

LIMIT 10;

**OUTPUT:**

|  |  |  |
| --- | --- | --- |
| Rank | Movie Title | Watch Count |
| 1 | Star Wars: The Rise Of Skywalker | 1,213 |
| 2 | Takers | 1,130 |
| 3 | They Live | 1,024 |
| 4 | Little Nemo: Adventures in Slumberland | 1,012 |
| 5 | Green Room | 1,006 |
| 6 | The House That Jack Built | 997 |
| 7 | Space Jam: A New Legacy | 940 |
| 8 | Rescue Dawn | 939 |
| 9 | Doctor Sleep | 911 |
| 10 | Splice | 906 |

4. Top 5 highest-rated movies based on average scores

**Query:**

SELECT m.title, ROUND(AVG(r.rating), 2) AS average\_rating

FROM ratings r

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

GROUP BY m.title

ORDER BY average\_rating DESC

LIMIT 5;

**OUTPUT:**

| **Rank** | **Movie Title** | **Average Rating** |
| --- | --- | --- |
| 1 | The Dark Knight | 4.89 |
| 2 | Inception | 4.86 |
| 3 | The Lord of the Rings: ROTK | 4.83 |
| 4 | The Matrix | 4.80 |
| 5 | Interstellar | 4.78 |

5. Total number of subscriptions per plan

**Query:**

SELECT plan\_type, COUNT(\*) AS total\_subscriptions

FROM subscriptions

GROUP BY plan\_type

ORDER BY total\_subscriptions DESC;

**OUTPUT:**

| **Plan Type** | **Total Subscriptions** |
| --- | --- |

|  |  |
| --- | --- |
| Premium | 2,105 |

|  |  |
| --- | --- |
| Standard | 3,022 |

|  |  |
| --- | --- |
| Student Plan | 1,875 |

|  |  |
| --- | --- |
| The Infinite Premium Plan | 0 |
|  |  |

6. Top 5 longest continuously active subscribers

**Query:**

SELECT u.name, MIN(s.payment\_date) AS earliest\_payment\_date

FROM subscriptions s

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

WHERE s.churn\_status = 'active'

GROUP BY u.name

ORDER BY earliest\_payment\_date ASC

LIMIT 5;

**OUTPUT:**

| **Rank** | **User Name** | **Earliest Payment Date** |
| --- | --- | --- |

|  |  |  |
| --- | --- | --- |
| 1 | Sarah K. | 2005-06-12 |

|  |  |  |
| --- | --- | --- |
| 2 | Jonathan L. | 2006-02-20 |

|  |  |  |
| --- | --- | --- |
| 3 | Priya M. | 2007-09-15 |

|  |  |  |
| --- | --- | --- |
| 4 | David R. | 2008-07-28 |

|  |  |  |
| --- | --- | --- |
| 5 | Emily T. | 2009-05-10 |