RSVP Movies Case Study

Q1. Find the total number of rows in each table of the schema?

Q2. Which columns in the movie table have null values?

Q3. Find the total number of movies released each year? How does the trend look month wise? (Output expected)

Q4. How many movies were produced in the USA or India in the year 2019??

Q5. Find the unique list of the genres present in the data set?

Q6. Which genre had the highest number of movies produced overall?

Q7. How many movies belong to only one genre?

Q8. What is the average duration of movies in each genre?

Q9. What is the rank of the 'thriller' genre of movies among all the genres in terms of number of movies produced?

Q10. Find the minimum and maximum values in each column of the ratings table except the movie_id column?

Q11. Which are the top 10 movies based on average rating?

Q12. Summarise the ratings table based on the movie counts by median ratings.

Q13. Which production house has produced the most number of hit movies (average rating > 8)??

Q14. How many movies released in each genre during March 2017 in the USA had more than 1,000 votes?

Q15. Find movies of each genre that start with the word 'The' and which have an average rating > 8?

Q16. Of the movies released between 1 April 2018 and 1 April 2019, how many were given a median rating of 8?

Q17. Do German movies get more votes than Italian movies?

Q18. Which columns in the names table have null values??

Q19. Who are the top three directors in the top three genres whose movies have an average rating > 8?

Q20. Who are the top two actors whose movies have a median rating >= 8?

Q21. Which are the top three production houses based on the number of votes received by their movies?

Q22. Rank actors with movies released in India based on their average ratings. Which actor is at the top of the list?
Note: The actor should have acted in at least five Indian movies.

Q23.Find out the top five actresses in Hindi movies released in India based on their average ratings?
Note: The actresses should have acted in at least three Indian movies.

Q24. Select thriller movies as per avg rating and classify them in the following category:

Rating > 8: Superhit movies
Rating between 7 and 8: Hit movies
Rating between 5 and 7: One-time-watch movies
Rating < 5: Flop movies

Q25. What is the genre-wise running total and moving average of the average movie duration? (Note: You need to show the output table in the question.)

Q26. Which are the five highest-grossing movies of each year that belong to the top three genres?
 (Note: The top 3 genres would have the most number of movies.)

Q27. Which are the top two production houses that have produced the highest number of hits (median rating >= 8) among multilingual movies?

Q28. Who are the top 3 actresses based on number of Super Hit movies (average rating >8) in drama genre?

Q29. Get the following details for top 9 directors (based on number of movies)

Director id, Name, Number of movies, Average inter movie duration in days, Average movie ratings, Total votes, Min rating, Max rating, total movie durations