SQL Assignment

The executive summary consisting of the important insights derived from the dataset(IMDB)

The highest number of movies produced ,is in the year is **2017** i.e is **3052.**
The highest number of movies produced are in the month of **March** i.e is **824**

The list of the genres present in the data set are as below
1. Drama
2. Fantasy
3. Thriller
4. Comedy
5. Horror
6. Family
7. Romance
8. Adventure
9. Action
10. Sci-Fi
11. Crime
12. Mystery
13. Others

And the drama genre has the highest number of movies produced overall i.e, '4285' and also has the **average duration of 106.77 mins**.So, based on the insights drawn, RSVP Movies should focus on the 'Drama' genre .

USA and India produce a huge number of movies each year and both the countries produced more than a thousand movies i.e is 1059 movies in the year 2019.So above are the insights drawn from segment 1.

In segment 2, data is analyzed on the ratings table as well and got the min and max values of different columns in the table,which are as below
So, the minimum and maximum values in each column of the ratings table are in the expected range. This implies there are no outliers in the table.(min_avg_rating=1.0
- max_avg_rating=10.0
- min_total_votes=100
- max_total_votes= 725138
- min_median_rating= 1

- max_median_rating=10)

The top movie based on average rating is **Kirket** which has a rating of **10.**
The production house with which RSVP Movies can partner for its next project are **Dream Warrior Pictures or National Theatre Live or both.**

Now that the analysis is done based on the movies, genres and ratings tables
The director is the most important person in a movie crew.As per the analysis the **top director** who can be hired by RSVP Movies is **James Mangold**.

 The top two actors whose movies have a median rating >= 8 are **Mammotty with rating of 8 and Mohanlal with rating 5**

The **top production house** is **Marvel Studios**, it rules the movie world with **2656967** number of **votes** received by the movies they have produced.

Since RSVP Movies is based out of Mumbai, India also wants to woo its local audience. RSVP Movies also wants to hire a few Indian actors for its upcoming project to give a regional feel. So based on the analysis done, the top **actor is Vijay Sethupathi** and **Tappsi Pannu** is the **top actress.**

The names of the **top two production houses** that have produced the highest number of hits among **multilingual movies** are **Star Cinema** with a **median rating of 7** and **Twentieth Century Fox** with a **median rating of 4**.

The top **3 actresses** based on the number of Super Hit movies (average rating >8) in the drama genre are

SI No	Actress_name	Total_votes
1.	Parvathy Thiruvothu	4974
2.	Susan Brown	656
3.	Amanda Lawrence	656

The following are the **top directors** (based on number of movies)

Andrew Jones and **A.L.Vijay** with **5 movies**