# DATABASE PROJECT PART-1

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INTRODUCTION:

Movies/films are the refreshment to an individual in now-a-days busy life. The Movie management system is an online database containing information and statistics about movies. It helps to inform the user about popular movies like description of a movie and rating of a film. The general user is assumed to have an interest in a wide variety of movies including comedy, drama, independent, horror, along with many others. So, this system will allow the users to find the genre of the film. This platform will encourage people to collaborate and share their opinions with each other.

DATASET:

The dataset includes the following information like actors performing in the movie, director of the particular movie, cast of the movie, details of the reviewer and the information with respect to ratings for the movies.

actor_details

director_details

moviedirection_details

moviecast_details

movie_details

reviewer_details

genres_details

moviegenres_details

rating_details

Reference datasets and relatable links:

➢ https://www.kaggle.com/datasets/omercolakoglu/tmdb-website-movie-database
➢ https://www.w3resource.com/sql-exercises/movie-database-exercise/basic-exercises-on-movie-database.php
➢ https://data.world/uci/movie

QUESTIONS:

1. Create a query to show the release date of movie 'The Shawshank Redemption'.

2. Create a query to find the movie name which was/were released in the year 1997.

3. Create a query to show reviewers who have rated more than 6 starts.

4. Create a query to show the movie names which got more than 9 stars as rating.

5. Create a query to show the movie name(s) which is in 'Japanese' language and released in the year 1997.

6. Create a query to determine the year(s) in which there was at least one movie that go a rating of at least three stars. Sort them in descending order.

7. Write a SQL query to find the actor whose first name is 'Tim' and last name is 'Robbins'. Return director first name, last name, movie title.

8. Create a query to show the first name and last name of the cast of the movie 'Titanic'.

9. Create a query to show the movie name, released year of the movie which got the lowest rating starts.

10. Create a query to find the years when most of the Action Movies made. Count the number of generic title and compute their average rating. Group the result set on movie release year, generic title. Return movie year, generic title, number of generic title and average rating.


Below mentioned tables are being used in the project-

Actor table-

```
act_id |      act_fname       |       act_lname       | act_gend
-------+----------------------+-----------------------+---------
   101 | James                | Stewart               | M
   102 | Deborah              | Kerr                  | F
   103 | Peter                | OToole                | M
   104 | Robert               | De Niro               | M
   105 | F. Murray            | Abraham               | M
   106 | Harrison             | Ford                  | M
   107 | Nicole               | Kidman                | F
   108 | Stephen              | Baldwin               | M
   109 | Jack                 | Nicholson             | M
```


Movie Ratings table-

| mov_id | rev_id | rev_stars | num_o_ratings |
|--------|--------|-----------|---------------|
| 901 | 9001 | 8.40 | 263575 |
| 902 | 9002 | 7.90 | 20207 |
| 903 | 9003 | 8.30 | 202778 |
| 906 | 9005 | 8.20 | 484746 |
| 924 | 9006 | 7.30 | |
| 908 | 9007 | 8.60 | 779489 |
| 909 | 9008 | | 227235 |
| 910 | 9009 | 3.00 | 195961 |

| mov_id | rev_id | rev_stars | num_o_ratings |
|--------|--------|-----------|---------------|