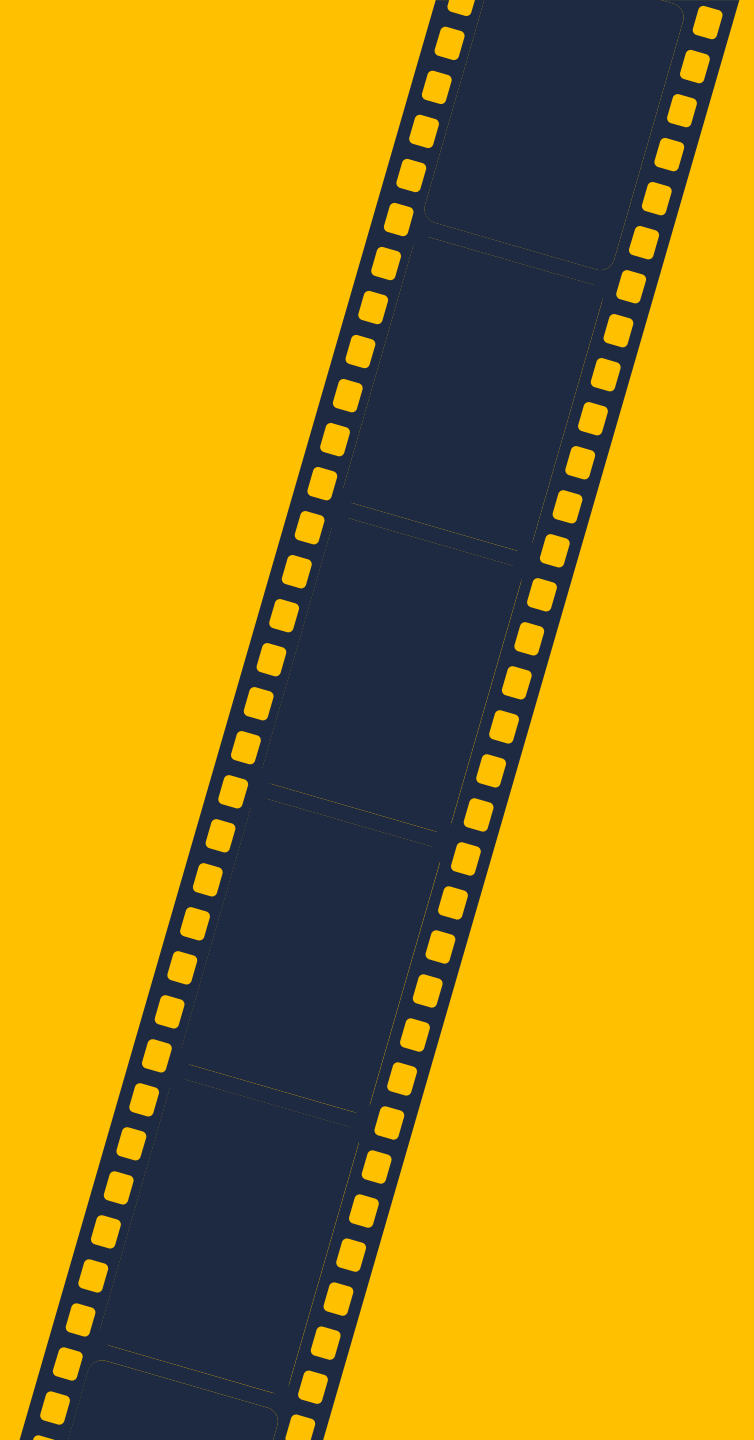




Movies Analysis using SQL

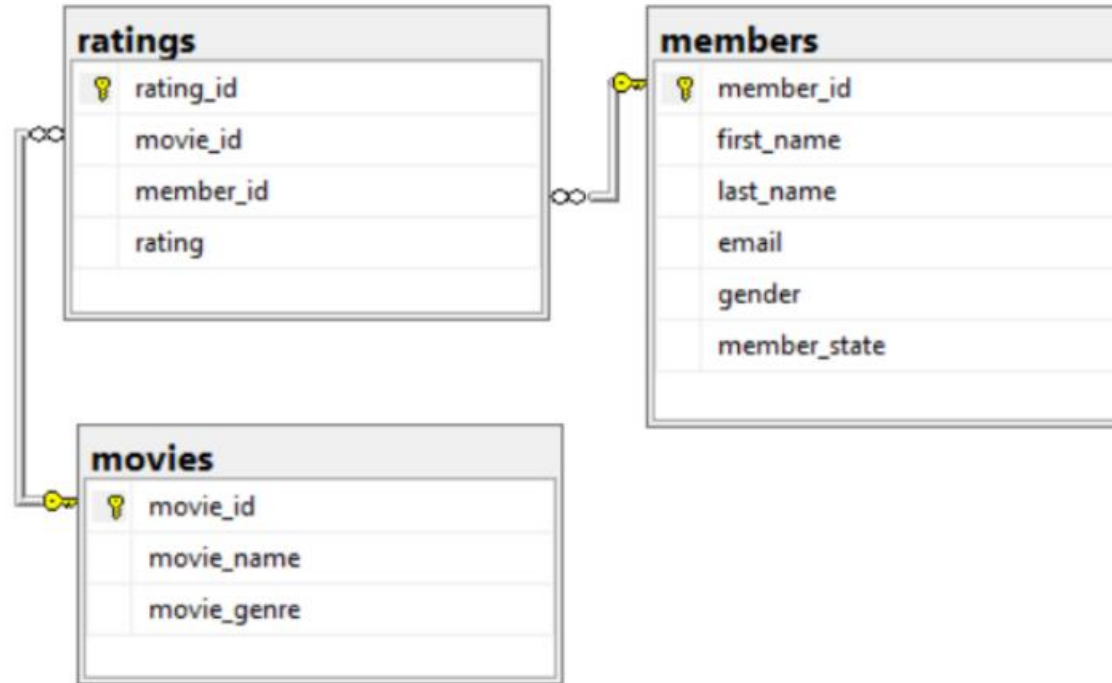
By- Ruchi Wagh



Data -

- movies – lists the various movies
- ratings – contains the different ratings for each movie
- members – contains information about the users providing the reviews

Diagram



Basic Analysis

- 1. How many members are living in Texas ?

```
/*How many members are living in Texas ?*/  
select count(*) as 'TotalMembers', member_state  
from members  
where trim(member_state)='Texas'  
group by member_state
```

100 %

Results Messages

	TotalMembers	member_state
1	103	Texas

2. Display movies that blends at least 4 different genres.

```
/*Display movies that blends at least 4 different genres*/
select movie_name, movie_genre
from movies
where movie_genre like '%|%|%|%'
```

100 %

Results Messages

	movie_name	movie_genre
1	Suriyothai (a.k.a. Legend of Suriyothai, The)	Action Adventure Drama War
2	Buccaneer, The	Adventure Drama Romance War
3	Possessed (Besat)	Action Crime Drama Horror Thriller
4	Star Trek: Nemesis	Action Drama Sci-Fi Thriller
5	Deathwatch	Drama Horror Thriller War
6	Dragon Ball Z: Battle of Gods	Action Animation Fantasy IMAX
7	Monsters, Inc.	Adventure Animation Children Comedy Fantasy
8	Father Goose	Adventure Comedy Romance War
9	One Piece Film: Strong World	Action Adventure Animation Comedy Fantasy

3. Count the number of movies for each amount of genres.

```
/*Count the number of movies for each amount of genres*/
select len(movie_genre)-len(REPLACE(movie_genre,'|','')) +1 as 'No_of_generees',
count(*) as 'No_of_Movies'
from dbo.movies
where movie_genre != '(no genres listed)'
group by len(movie_genre)-len(REPLACE(movie_genre,'|',''))
```

100 %

Results Messages

	No_of_generees	No_of_Movies
1	1	36
2	2	37
3	3	16
4	4	6
5	5	3

4. Which movie ID has the highest amount of ratings ?

```
/* Which movie ID has the highest amount of ratings ?*/  
  
select top 1 r.movie_id ,movie_name, count(*) as 'count of rating'  
from movies mo, members m, ratings r  
where m.member_id= r.member_id  
and mo.movie_id=r.movie_id  
and mo.movie_id = r.movie_id  
group by r.movie_id,movie_name  
order by [count of rating] desc
```

100 %

Results Messages

	movie_id	movie_name	count of rating
1	37	Great World of Sound	33

Advanced Analysis

- 1. Out of the total number registered members, how many have actually left a movie rating ?

```
/*Advanced Analysis
1. Out of the total number registered members, how many have actually left
a movie rating ?*/

select count(distinct(m.member_id)) as 'Total Vote Count'
from ratings r , members m
where m.member_id=r.member_id
and m.member_id in (r.member_id)
```

100 %

Results Messages

	Total Vote Count
1	874

2. Which gender has left most ratings ?

```
/*Which gender has left most ratings ?*/  
select top 1 gender, count(distinct(r.member_id)) as 'ratings'  
from members m , ratings r  
where m.member_id = r.member_id  
group by gender  
order by count(distinct(r.member_id)) desc
```

100 %

Results Messages

	gender	ratings
1	Female	474

3. Display the number of members in New York, for the gender you retrieved in previous exercise.

```
/*Display the number of members in New York, for the gender you
retrieved in previous exercise*/

select top 1 gender, count(distinct(r.member_id)) as 'ratings'
from members m , ratings r
where m.member_id = r.member_id
and trim(member_state)='New York'
group by gender
order by count(distinct(r.member_id)) desc
```

100 %

Results Messages

	gender	ratings
1	Female	31

4. Display the top-5 favorite Sci-Fi movies.

```
/*Display the top-5 favorite Sci-Fi movies*/  
  
select top 5 movie_name, movie_genre, sum(rating) as 'rating'  
from movies m , ratings r  
where m.movie_id=r.movie_id  
and trim(movie_genre) like '%Sci-Fi%'  
group by movie_name,movie_genre  
order by sum(rating) desc
```

100 %

Results Messages

	movie_name	movie_genre	rating
1	Giant Spider Invasion, The	Horror Sci-Fi	83
2	Zombie Apocalypse	Action Horror Sci-Fi	75
3	Death Watch (La Mort en Direct)	Drama Sci-Fi	70
4	Red Spectacles, The (Jigoku no banken: akai megan...	Comedy Drama Sci-Fi	70
5	Babylon 5	Sci-Fi	68

5. Which gender prefers to watch the Sci-Fi genre?

```
/*Which gender prefers to watch the Sci-Fi genre?*/  
  
select top 1 gender, count(distinct(r.member_id)) as 'count'  
from members m, ratings r, movies mo  
where m.member_id = r.member_id  
and r.movie_id = mo.movie_id  
and trim(movie_genre) like '%Sci-Fi%'  
group by gender  
order by count(distinct(r.member_id)) desc
```

100 %

Results Messages

	gender	count
1	Female	84

6. Display all members who rated at least one of the movies rated by member 106.

```
/*Display all members who rated at least one of the movies rated by
member 106*/
select m.member_id, first_name + ' ' + last_name as 'name', r.movie_id
from members m, ratings r, movies mo
where m.member_id = r.member_id
and r.movie_id = mo.movie_id
and r.movie_id in (select r.movie_id
                    from ratings r, movies mo
                    where r.movie_id = mo.movie_id
                    and member_id=106)
```

100 %

Results Messages

	member_id	name	movie_id
1	5	Mikey Keat	5
2	64	Jay Bearcock	5
3	106	Bucky Billin	74
4	106	Bucky Billin	5
5	137	Sheela Rougier	74
6	174	Bryana Pauletto	5
7	191	Darius Ashard	5
8	204	Kennie Pottes	74
9	211	Darryl Kellitt	5
10	246	Brenn Goublier	5
11	262	Korie Lawtey	5
12	360	Zorine Sleite	74
13	421	Timmie Billingham	74
14	438	Lora Sturzaker	5
15	444	Forester Hiddy	74
16	469	Sidnee Benet	74
17	539	Myrtie McKeever	5
18	542	Jeremias Dranfield	74
19	579	Dorian Taylour	5
20	599	Niki Gerald	74
21	677	Eyde Brocket	5
22	679	Munmro Byard	5
23	680	Amandi Goakes	74
24	697	Cornelia Rany	5

Query executed successfully.

RUCHI (15.0 RTM) | Ruchi\Ruchi13 (51) | data_analysis_movies | 00:00:00 | 42 rows