Table to Contents
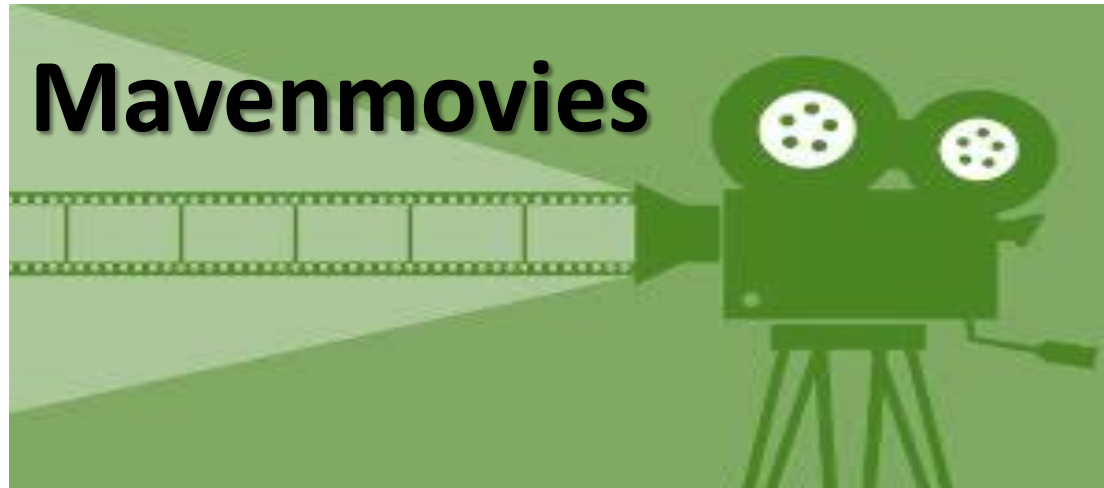
- Introduction
- Entity Relationship Diagram
- Problem Statement
- Insights
- Conclusion
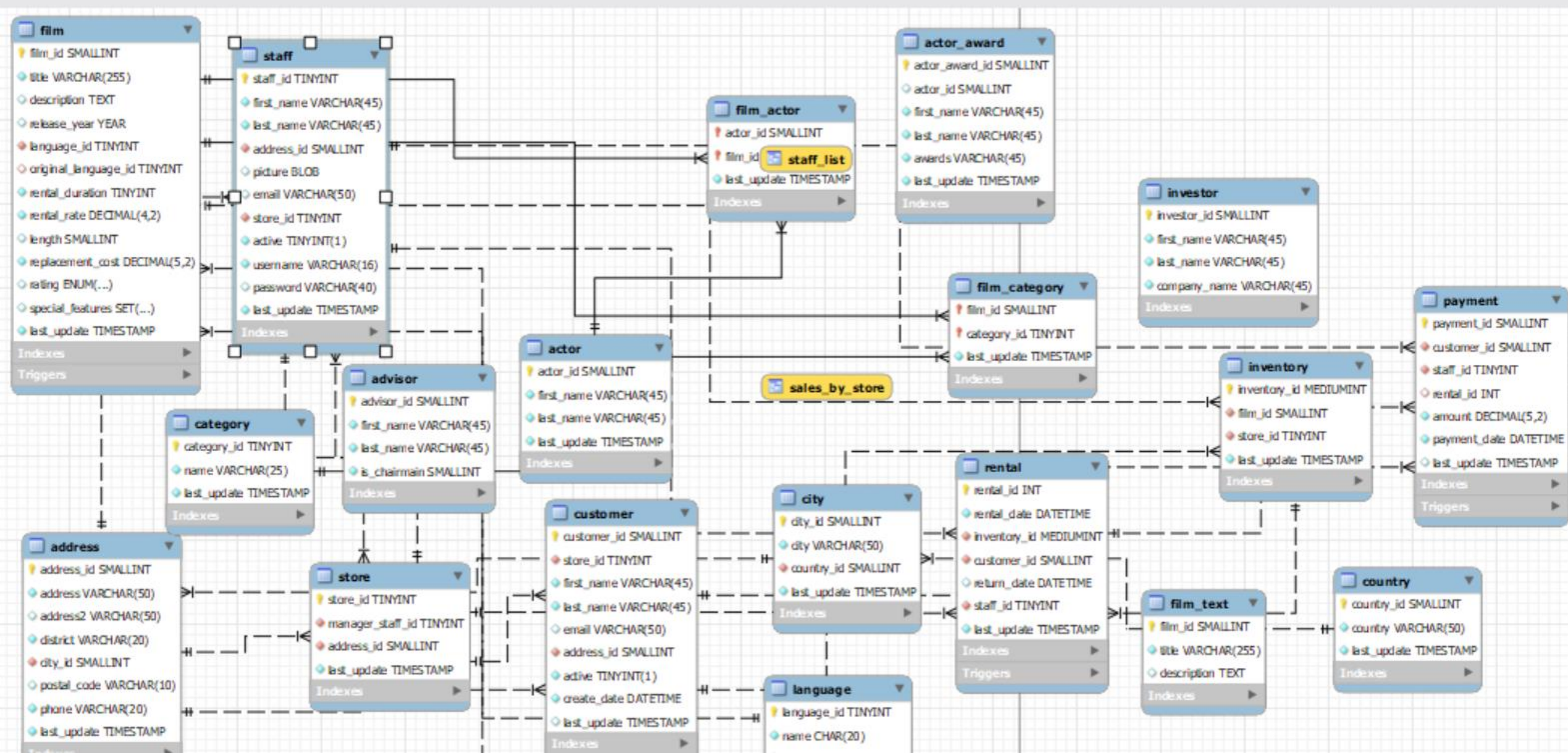
SQL Project on Mavenmovies

Mavenmovies

Introduction

Mavenmovies is a production company which is big in the film industry among all production units, Here mavenmovies facing issue among actors to select in their films so mavenmovies decided to know about the actors details and their awards which can help to produce a best film. So Mavenmovies has collected some basic data from its first few projects, but it decided to know how to analyze and use the data to improve its performance and profitability of the production unit company.

Entity Relationship Diagram

Problem Statement

1. Write a SQL query to count the number of characters except for the spaces for each actor. Return the first 10 actors' name lengths along with their names.

```sql
1 select concat(first_name, '_', last_name) as Name, length(concat(first_name,last_name)) as length_of_fullname from actor limit 10;
```

Name	length_of_fullname
JOHNNY_LOLLOBRIGIDA	18
MATTHEW_JOHANSSON	16
PENELOPE_GUINESS	15
BETTE_NICHOLSON	14
CHRISTIAN_GABLE	14
JENNIFER_DAVIS	13
NICK_WAHLBERG	12
GRACE_MOSTEL	11
JOE_SWANK	8
ED_CHASE	7

Problem Statement

2. List all Oscar awardees(Actors who received the Oscar award) with their full names and the length of their names.

```sql
select concat(first_name, '_', last_name) as Name, length(concat(first_name, last_name))
Name_length
from actor_award
where awards = 'Oscar';
```

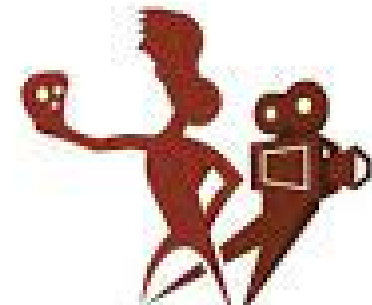|	Name	Name_length
▶	BETTE_NICHOLSON	14
	JOE_SWANK	8
	ALEC_WAYNE	9
	TIM_HACKMAN	10
	BURT_DUKAKIS	11
	TOM_MCKELLEN	11
	ANGELINA_ASTAIRE	15
	JAMES_PITT	9
	MINNIE_ZELLWEGER	15
	JIM_MOSTEL	9
	SUSAN_DAVIS	10
	PENELOPE_MONROE	14
	ALBERT_NOLTE	11
	JANE_JACKMAN	11
	RICHARD_PENN	11

Problem Statement

3. Find the actors who have acted in the film 'Frost Head.'

```
select concat(A.first_name, A.last_name) as Acted_Frost_head from actor A
inner join film_actor on A.actor_id = film_actor.actor_id
inner join film on film_actor.film_id = film.film_id
where title = 'Frost Head';
```

	Acted_Frost_head
▶	EDCHASE
	CARMENHUNT
	RALPHCRUZ
	GENEHOPKINS
	CATEHARRIS
	FAYWINSLET
	LAURENCEBULLOCK

Problem Statement

4. Pull all the films acted by the actor 'Will Wilson.'

```sql
select title from film
inner join film_actor using (film_id)
inner join actor using (actor_id)
where first_name = 'Will' and last_name = 'WILSON';
```

title
APOCALYPSE FLAMINGOS
BAREFOOT MANCHURIAN
BOWFINGER GABLES
CAMPUS REMEMBER
CRAZY HOME
CRUELTY UNFORGIVEN
DARES PLUTO
DIVORCE SHINING
DONNIE ALLEY
DRIVING POLISH

Problem Statement

5. Pull all the films which were rented and return them in the month of May.

```
select  distinct title from film
inner join inventory on film.film_id = inventory.film_id
inner join customer on inventory.store_id = customer.store_id
inner join payment on customer.customer_id = payment.customer_id
inner join rental R on payment.rental_id = R.rental_id
where return_date between '2005-5-01' and '2005-5-31';
```

title
ACADEMY DINOSAUR
AFFAIR PREJUDICE
AGENT TRUMAN
AIRPLANE SIERRA
ALABAMA DEVIL
ALADDIN CALENDAR
ALAMO VIDEOTAPE
ALASKA PHANTOM
ALIEN CENTER
ALLEY EVOLUTION
ALONE TRIP
ALTER VICTORY

Problem Statement

6. Pull all the films with 'Comedy' category.

```sql
select title from film
inner join film_category using (film_id)
inner join category using (category_id)
where name = 'Comedy';
```

title
► AIRPLANE SIERRA
ANTHEM LUKE
BRINGING HYSTERICAL
CAPER MOTIONS
CAT CONEHEADS
CLOSER BANG
CONNECTION MICROCOSMOS
CONTROL ANTHEM
CRAZY HOME
DADDY PITTSBURGH
DOOM DANCING
DOWNHILL ENOUGH
DYING MAKER
ELEMENT FREDDY
FERRIS MOTHER

Insights

1.Bette Nicholson: Bette has won Oscar Award for Best Actor, and one of them was for his role in the comedy-drama film "Ferris mother".

2.Roberto Benigni: The Italian actor and director won the Best Actor Oscar for his performance in the comedy-drama film "Life is Beautiful".

3.Colin Firth: While Colin Firth is known for his work in various genres, he won the Academy Award for Best Actor for his role in the historical comedy-drama film "The King's Speech".

4.Diane Keaton: Diane Keaton won the Best Actress Oscar for her role in the romantic comedy "Annie Hall" .

5.Goldie Hawn: While Goldie Hawn is known for her comedic roles, she hasn't won an Oscar for a comedy film, but she did win the Best Supporting Actress Oscar for her role in the comedy-drama film "Cat coneheads".

Conclusion

Mavenmovies has to follow the story before selecting their actors for there films, According to story and characters actors has to be selected. Main thing there old projects have make good impact on the film outcome, So they have good resources and actors in the categories like comedians, villains, hero's and side characters etc. In there industry so many senior actors are there which is advantage to mavenmovies to get more profits with their movies.

END