

## LAB 9- MOVIE DATABASE

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1BM19CS194

4-D

```
create database movie;
```

```
use movie;
```

```
create table actor(
```

```
act_id int,
```

```
act_name varchar(20),
```

```
act_gender char(1),
```

```
primary key(act_id));
```

```
desc actor;
```

```
create table director(
```

```
dir_id int,
```

```
dir_name varchar(20),
```

```
dir_phone int(10),
```

```
primary key(dir_id));
```

```
desc director;
```

```
alter table director
modify column dir_phone bigint;
desc director;
```

```
create table movies(
mov_id int,
mov_title varchar(25),
mov_year int,
mov_lang varchar(12),
dir_id int,
primary key(mov_id),
foreign key(dir_id) references director(dir_id));
desc movies;
```

```
create table movie_cast(
act_id int,
mov_id int,
role varchar(10),
primary key(act_id,mov_id),
foreign key(act_id) references actor(act_id),
foreign key(mov_id) references movies(mov_id));
desc movie_cast;
```

```
create table rating(
mov_id int,
```

```

rev_stars varchar(25),
primary key(mov_id),
foreign key(mov_id) references movies(mov_id));
desc rating;

```

```

insert into actor values(301,'ANUSHKA','F');
insert into actor values (302,'PRABHAS','M');
insert into actor values(303,'PUNITH','M');
insert into actor values(304,'JERMY','M');
commit;
select * from actor;

```

	act_id	act_name	act_gender
▶	301	ANUSHKA	F
	302	PRABHAS	M
	303	PUNITH	M
	304	JERMY	M
•	NULL	NULL	NULL

```

insert into director values(60,'RAJAMOULI', 8751611001);
insert into director values(61,'HITCHCOCK', 7766138911);
insert into director values(62,'FARAN', 9986776531);
insert into director values(63,'STEVEN SPIELBERG', 8989776530);
commit;
select * from director;

```

	dir_id	dir_name	dir_phone
▶	60	RAJAMOULI	8751611001
	61	HITCHCOCK	7766138911
	62	FARAN	9986776531
	63	STEVEN SPIELBERG	8989776530
•	NULL	NULL	NULL

```

insert into movies values(1001,'BAHUBALI-2', 2017, 'TELAGU', 60);
insert into movies values(1002,'BAHUBALI-1', 2015, 'TELAGU', 60);
insert into movies values(1003,'AKASH', 2008, 'KANNADA', 61);
insert into movies values(1004,'WAR HORSE', 2011, 'ENGLISH', 63);
commit;
select * from movies;

```

	mov_id	mov_title	mov_year	mov_lang	dir_id
▶	1001	BAHUBALI-2	2017	TELAGU	60
	1002	BAHUBALI-1	2015	TELAGU	60
	1003	AKASH	2008	KANNADA	61
	1004	WAR HORSE	2011	ENGLISH	63
•	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>	<b>NULL</b>

```

insert into movie_cast values(301, 1002, 'HEROINE');
insert into movie_cast values(301, 1001, 'HEROINE');
insert into movie_cast values(303, 1003, 'HERO');
insert into movie_cast values(303, 1002, 'GUEST');
insert into movie_cast values(304, 1004, 'HERO');
commit;
select * from movie_cast;

```

	act_id	mov_id	role
▶	301	1001	HEROINE
	301	1002	HEROINE
	303	1002	GUEST
	303	1003	HERO
	304	1004	HERO
•	NULL	NULL	NULL

insert into rating values(1001, 4);

insert into rating values(1002, 2);

insert into rating values(1003, 5);

insert into rating values(1004, 4);

commit;

select \* from rating;

	mov_id	rev_stars
▶	1001	4
	1002	2
	1003	5
	1004	4
•	NULL	NULL

Additional Queries:

select mov\_title from movies m where dir\_id=(select dir\_id from director where dir\_name='Hitchcock');

select mov\_title from movies m,director d where m.dir\_id=d.dir\_id and d.dir\_name='Hitchcock';

group by mov\_title;

	mov_title
▶	AKASH

```

select m.mov_title
from movies m, movie_cast mc
where m.mov_id=mc.mov_id
and mc.act_id in( select act_id from movie_cast group by act_id having
count(act_id)>1)
group by mov_title
having count(*)>1;

```

	mov_title
▶	BAHUBALI-1

```

select mov_title,max(rev_stars)
from movies
inner join rating using(mov_id)
group by mov_id
having max(rev_stars)>0
order by mov_title;

```

	act_name	mov_title	mov_year
▶	ANUSHKA	BAHUBALI-2	2017

```

select mov_title,max(rev_stars) from movies m,rating r

```

where m.mov\_id=r.mov\_id group by r.mov\_id having max(rev\_stars)>0 order by mov\_title;

	mov_title	max(rev_stars)
▶	AKASH	5
	BAHUBALI-1	2
	BAHUBALI-2	4
	WAR HORSE	4

update rating set rev\_stars=5

where mov\_id in(select mov\_id from movies where dir\_id in(select dir\_id from director where dir\_name='Steven Spielberg'));

select \*from rating;

	mov_id	rev_stars
▶	1001	4
	1002	2
	1003	5
	1004	5
●	NULL	NULL

