LAB 9- MOVIE DATABASE

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```
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,
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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;

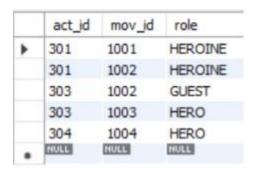
	dir_id	dir_name	dir_phone
٠	60	RAJAMOULI	8751611001
	61	HITCHCOCK	7766138911
	62	FARAN	9986776531
	63	STEVEN SPIELBERG	8989776530
	HULL	NULL	HULL

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
Þ	1001	BAHUBALI-2	2017	TELAGU	60
	1002	BAHUBALI-1	2015	TELAGU	60
	1003	AKASH	2008	KANNADA	61
	1004	WAR HORSE	2011	ENGLISH	63
	HULL	NULL	HULL	NULL	HULL

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;



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;

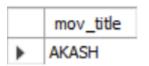
	mov_id	rev_stars
•	1001	4
	1002	2
	1003	5
	1004	4
	NULL	NULL

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;



select m.mov_title

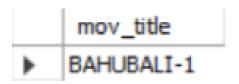
from movies m, movie_cast mc

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;



select mov_title,max(rev_stars)

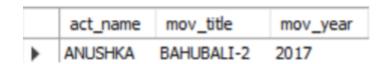
from movies

inner join rating using(mov_id)

group by mov_id

having max(rev_stars)>0

order by mov_title;



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