#### **TRISHUL M**

D1

# **MOVIES**

```
create database moviesdb;
use moviesdb;
create table actor (
        id int primary key,
        name varchar(10),
        gender varchar(1)
desc actor;
create table director (
        id int primary key,
        name varchar(10),
        phone varchar(10)
);
desc director;
create table movie (
        id int primary key,
        title varchar(20),
        year int,
        lang varchar(10),
        dir_id int,
        foreign key(dir_id) references director(id)
);
desc movie;
create table cast (
        act_id int,
        mov_id int,
```

```
role varchar(20),
        primary key(act_id, mov_id),
        foreign key(act_id) references actor(id),
        foreign key(mov_id) references movie(id)
);
desc cast;
create table rating(
        mov_id int,
        stars int,
        foreign key(mov_id) references movie(id),
        check (stars > 0 and stars <= 5)
);
desc rating;
insert into actor values (301, 'anushka', 'f'),
(302, 'prabhas', 'm'),
(303,'punith','m'),
(304, 'jermy', 'm');
select * from actor;
        name
                  gender
301
       anushka
                 f
302
       prabhas
                 m
303
       punith
                 m
304
       jermy
insert into director values (60, 'rajamouli', 8751611001),
(61, 'hitchcock', 7766138911),
(62, 'faran', 9986776531),
(63, 'spielberg', 8989776530);
select * from director;
  id
         name
                    phone
 60
        rajamouli
                   8751611001
 61
        hitchcock 7766138911
 62
                   9986776531
        faran
```

spielberg 8989776530

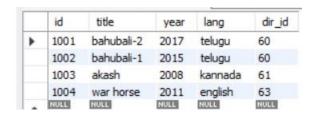
insert into movie values (1001, 'bahubali-2', 2017, 'telugu', 60),

(1002, 'bahubali-1', 2015, 'telugu', 60),

(1003, 'akash', 2008, 'kannada', 61),

(1004, 'war horse', 2011, 'english', 63);

select \* from movie;



insert into cast values (301,1002, 'heroine'),

(301,1001, 'heroine'), (303,1003, 'hero'), (303,1002, 'guest'), (304, 1004, 'hero');

# select \* from cast;



insert into rating values

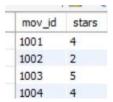
(1001,4),

(1002,2),

(1003,5),

(1004,4);

# select \* from rating;



#### -- Query 1

select title from movie m, director d where d.name='hitchcock' and d.id=m.dir\_id;



#### -- Query 2

select distinct title from movie m, cast c where m.id=c.mov\_id and c.act\_id in (select act\_id from cast group by act\_id having count(mov\_id) > 1);



#### -- Query 3

select distinct name from actor a, cast c where c.act\_id=a.id and c.mov\_id in (select id from movie m where year not between 2000 and 2015);

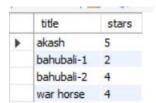
#### /\*or\*/

select distinct name from actor a inner join cast c on a.id=c.act\_id and c.mov\_id in (select id from movie m where year not between 2000 and 2015);



#### -- Query 4

select title, stars from movie m inner join (select mov\_id, max(stars) as stars from rating group by mov\_id) r on m.id=r.mov\_id order by title;



# -- Query 5

update rating set stars=5 where mov\_id in (select m.id from movie m, director d where m.dir\_id = d.id and d.name='spielberg');

# select \* from rating;

