TERM WORK III

MOVIE DATABASE

Consider the schema for MovieDatabase:

ACTOR (Act\_id, Act\_Name, Act\_Gender)

DIRECTOR (Dir\_id, Dir\_Name,Dir\_Phone)

MOVIES (Act\_id,Mov\_id, Mov\_Title, Mov\_Year, Mov\_Lang,Dir\_id)

MOVIE\_CAST (Act\_id, Mov\_id, Role)

RATING (Mov\_id,Rev\_Stars)

**1.** Draw ER and schema diagram for database.

**2.**Create the above tables by properly specifying the primary keys and foreign keys.

**3.** Enter at least five tuples for each relation.

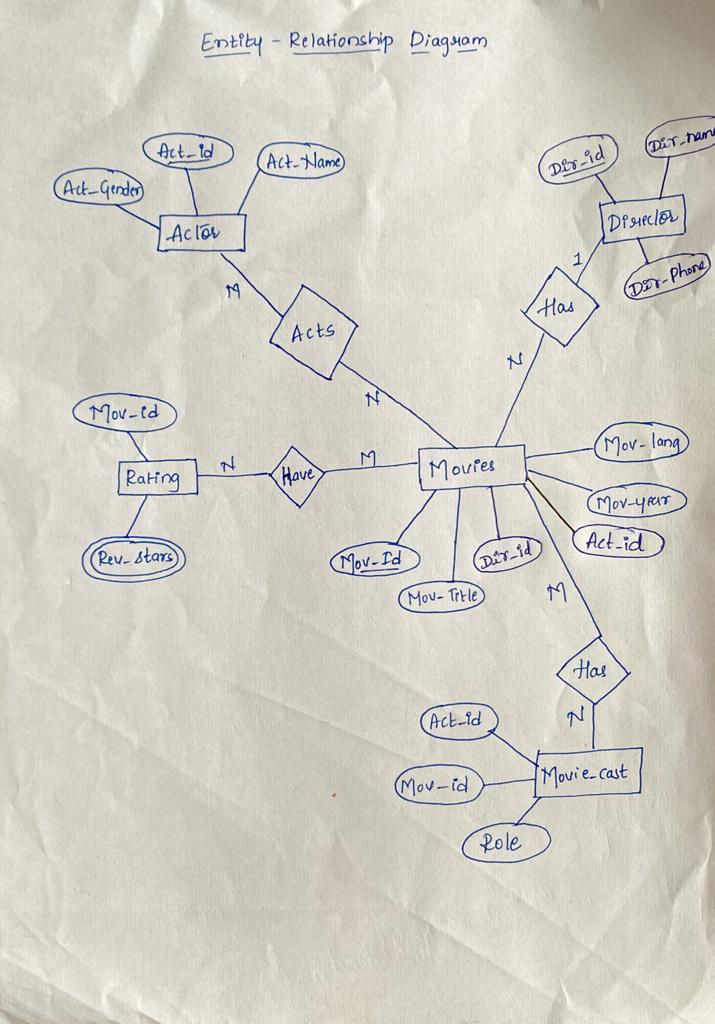
**4.**List the titles of all movies directed by‘Hitchcock’.

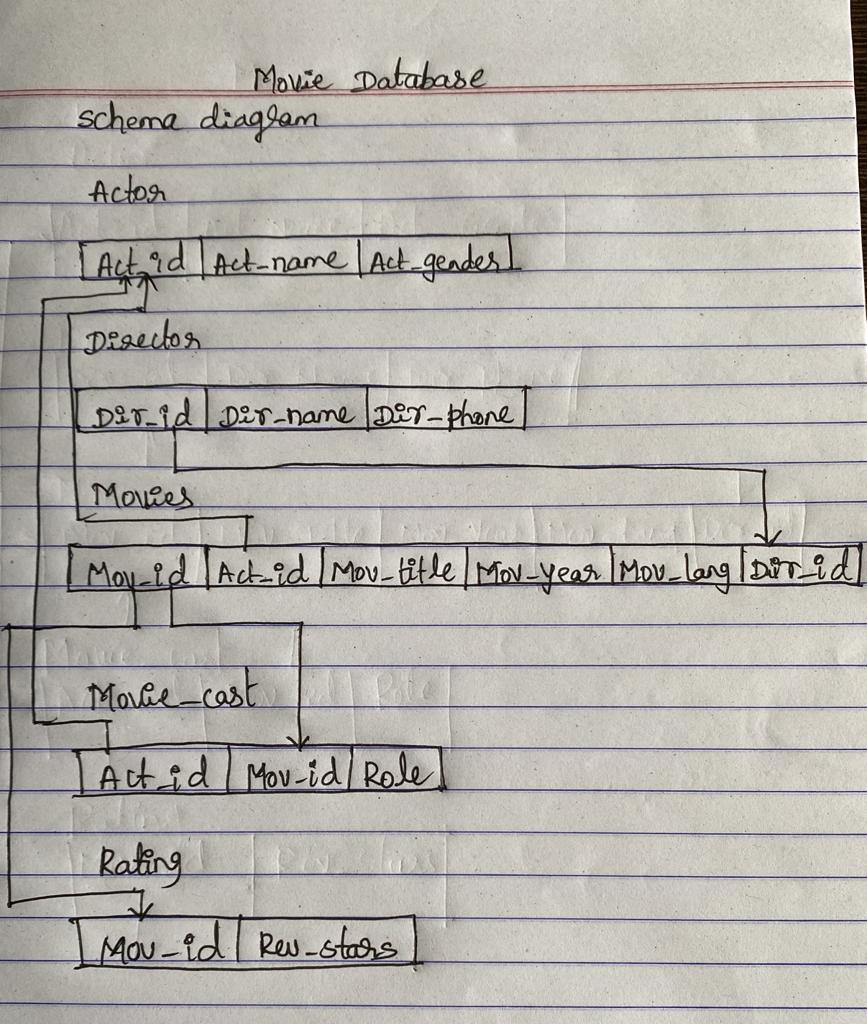
**5.**Find the maximum rating of movie

**6.**Display names of actors acted in more than one movie.

**7.** List all actors who acted in a movie between 2000 and 2015

**8.** Update rating of all movies directed by ‘Steven Spielberg’ to5.

**1.**



**2.Table Creation**

create table actor (

act\_id number (3)primary key,

act\_name varchar (20),

act\_gender char (1));

create table director (

dir\_id number (3)primary key,

dir\_name varchar (20),

dir\_phone number (10));

create table movies (

mov\_id number (4)primary key,

act\_idnumber (3),

mov\_title varchar (25),

mov\_year number (4),

mov\_lang varchar (12),

dir\_id number (3),

foreign key (act\_id) references actor (act\_id),

foreign key (dir\_id) references director (dir\_id));

create table movie\_cast (

act\_idnumber (3),

mov\_idnumber(4),

role varchar(10),

foreign key (act\_id) references actor (act\_id),

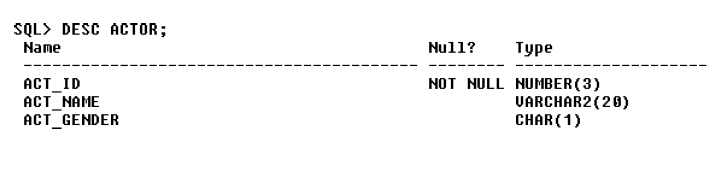
foreign key(mov\_id) references movies (mov\_id));

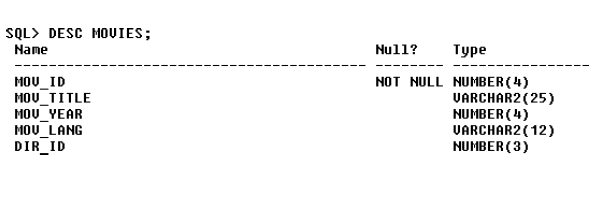
create table rating (

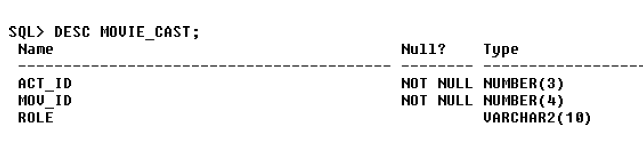
mov\_id number (4)references movies (mov\_id),

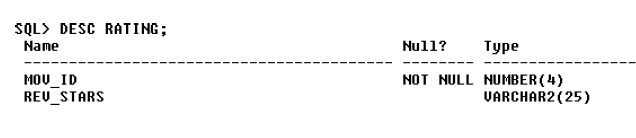
rev\_stars varchar (25),

);









**3. Insertion of Values to Tables**

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‘);

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);

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);

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‘);

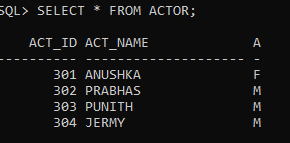
insert into movie\_cast values (304, 1004, hero‘);

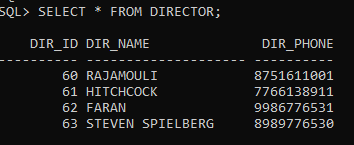
insert into rating values (1001,4);

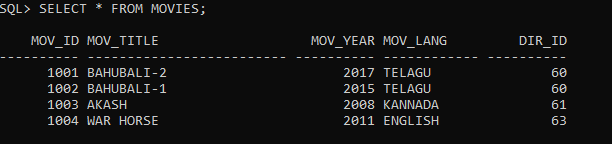
insert into rating values (1002,2);

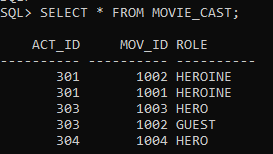
insert into rating values (1003, 5);

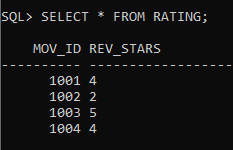
insert into rating values (1004, 4);









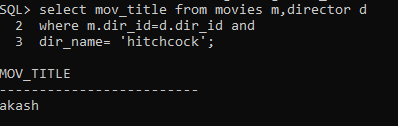


1. **List the titles of all movies directed by‘Hitchcock’.**

select mov\_title from movies m,director d

where m.dir\_id=d.dir\_id and

dir\_name= ‘hitchcock’;

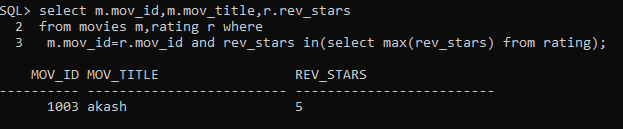


1. **Find the maximum rating of movie**

select m.mov\_id,m.mov\_title,r.rev\_stars

from movies m,rating r where

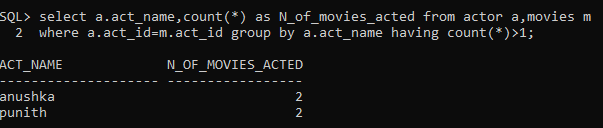
m.mov\_id=r.mov\_id and rev\_starsin(select max(rev\_stars) from rating);



1. **Display names of actors acted in more than one movie.**

select a.act\_name,count(\*) as N\_of\_movies\_acted from actor a,movies m

where a.act\_id=m.act\_id group by a.act\_name having count(\*)>1;



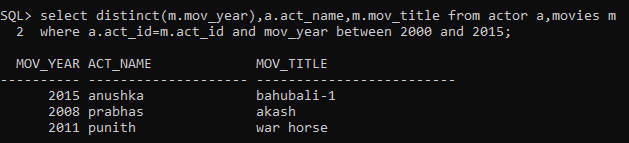
1. **List all actors who acted in a movie between 2000 and 2015**

select distinct(m.mov\_year),a.act\_name,m.mov\_title

from actor a,movies m

where a.act\_id=m.act\_id and mov\_year

between 2000 and 2015;



**8.Update rating of all movies directed by ‘Steven Spielberg’ to5**

update rating

set rev\_stars=5

where mov\_id in (select mov\_id from movies where dir\_id in

(select dir\_idfrom director

where dir\_name ='stevenspielberg'));

