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Table creation

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Actor table (Creating table)

assignment=# create table Actor(a\_name varchar(20) primary key,role char(20) not null, charges money,a\_address varchar(20));

CREATE TABLE

Movie table (Creating table)

assignment=# create table Movie(m\_name varchar(25) primary key,release\_year integer,budget money);

CREATE TABLE

am table (Creating table) ( third table for actor-movie table)

assignment=# create table am(a\_name varchar(25) references Actor,m\_name varchar(25) references Movie);

CREATE TABLE

Producer table(Creating table)

assignment=# create table Producer(producer\_id integer primary key,p\_name char(30) not null,p\_address varchar(20));

CREATE TABLE

pm table (Creating table) (third table for producer-movie table)

assignment=# create table pm(producer\_id integer references Producer2,m\_name varchar(25) references Movie);

CREATE TABLE

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Inserting values

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Actor table (Inserting values)

assignment=# insert into actor values('Shushant','hero','50000000','patna');

INSERT 0 1

assignment=# insert into actor values('Mr.Ritesh Deshmukh','villan','20000000','mumbai');

INSERT 0 1

assignment=# insert into actor values('Salman khan','villan','10000000','mumbai');

INSERT 0 1

assignment=# insert into actor values('Kartik aryan','hero','40000000','gwaloir');

INSERT 0 1

assignment=# insert into actor values('Pankaj tripathi','villan','30000000','gopalganj');

INSERT 0 1

assignment=# insert into actor values('Nawazuddin Siddiqui','villan','20000000','muzaffarnagar');

INSERT 0 1

assignment=# insert into actor values('Amitabh Bachchan','hero','30000000','mumbai');

INSERT 0 1

assignment=# select \* from actor;

a\_name | role | charges | a\_address

---------------------+----------------------+----------------+---------------

Shushant | hero | ₹50,000,000.00 | patna

Mr.Ritesh Deshmukh | villan | ₹20,000,000.00 | mumbai

Salman khan | villan | ₹10,000,000.00 | mumbai

Kartik aryan | hero | ₹40,000,000.00 | gwalior

Pankaj tripathi | villan | ₹30,000,000.00 | gopalganj

Nawazuddin Siddiqui | villan | ₹20,000,000.00 | muzaffarnagar

Amitabh Bachchan | hero | ₹30,000,000.00 | mumbai

(7 rows)

Movie table (Inserting values)

assignment=# insert into Movie values('Sholey',1975,'40000000');

INSERT 0 1

assignment=# insert into Movie values('Dil Bechara',2020,'300000000');

INSERT 0 1

assignment=# insert into Movie values('Bharat',2019,'100000000');

INSERT 0 1

assignment=# insert into Movie values('Sarkar 3',2017,'7000000');

INSERT 0 1

assignment=# insert into Movie values('Bank chor',2017,'5000000');

INSERT 0 1

assignment=# select \* from movie;

m\_name | release\_year | budget

-------------+--------------+-----------------

Sholay | 1975 | ₹40,000,000.00

Dil Bechara | 2020 | ₹300,000,000.00

Bharat | 2019 | ₹100,000,000.00

Sarkar 3 | 2017 | ₹7,000,000.00

Bank chor | 2017 | ₹5,000,000.00

(5 rows)

AM table (Inserting values)

assignment=# insert into AM values('Amitabh Bachchan','Sholey');

INSERT 0 1

assignment=# insert into AM values('Shushant','Dil Bechara');

INSERT 0 1

assignment=# insert into AM values('Salman khan','Bharat');

INSERT 0 1

assignment=# insert into AM values('Amitabh Bachchan','Sarkar 3');

INSERT 0 1

assignment=# insert into AM values('Mr.Ritesh Deshmukh','Bank chor');

INSERT 0 1

assignment=# insert into AM values('Shushant','Sholey');

INSERT 0 1

assignment=# insert into AM values('Salman khan','Bank chor');

INSERT 0 1

assignment=# insert into AM values('Kartik aryan','Bank chor');

INSERT 0 1

assignment=# insert into AM values('Pankaj tripathi','Sarkar 3');

INSERT 0 1

assignment=# insert into AM values('Nawazuddin Siddiqui','Sarkar 3');

INSERT 0 1

assignment=# insert into AM values('Pankaj tripathi','Bharat');

INSERT 0 1

assignment=# select \* from am;

a\_name | m\_name

---------------------+-------------

Amitabh Bachchan | Sholey

Shushant | Dil Bechara

Salman khan | Bharat

Amitabh Bachchan | Sarkar 3

Mr.Ritesh Deshmukh | Bank chor

Shushant | Sholey

Salman khan | Bank chor

Kartik aryan | Bank chor

Pankaj tripathi | Sarkar 3

Nawazuddin Siddiqui | Sarkar 3

Pankaj tripathi | Bharat

(11 rows)

Producer table (Inserting values)

assignment=# insert into Producer values(1,'Mr.Subhash Ghai','mumbai');

INSERT 0 1

assignment=# insert into Producer values(2,'G.P.Sippy','pune');

INSERT 0 1

assignment=# insert into Producer values(3,'Fox Star Studios','mumbai');

INSERT 0 1

assignment=# insert into Producer values(4,'Aditya Chopra','lonavala');

INSERT 0 1

assignment=# select \* from producer;

producer\_id | p\_name | p\_address

-------------+--------------------------------+-----------

1 | Mr.Subhash Ghai | mumbai

2 | G.P.Sippy | pune

3 | Fox Star Studios | mumbai

4 | Aditya Chopra | lonavala

(4 rows)

Producer-Movie(PM) table [Inserting values]

assignment=# insert into PM values(1,'Bank chor');

INSERT 0 1

assignment=# insert into PM values(2,'Sholey');

INSERT 0 1

assignment=# insert into PM values(3,'Dil Bechara');

INSERT 0 1

assignment=# insert into PM values(4,'Bank chor');

INSERT 0 1

assignment=# insert into PM values(1,'Sarkar 3');

INSERT 0 1

assignment=# insert into PM values(4,'Bharat');

INSERT 0 1

assignment=# select \* from pm;

producer\_id | m\_name

-------------+-------------

1 | Bank chor

2 | Sholey

3 | Dil Bechara

4 | Bank chor

1 | Sarkar 3

4 | Bharat

(6 rows)

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Queries

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1. List the names of the actors and their movie names.

assignment=# select actor.a\_name,movie2.m\_name from actor,movie2,am where actor.a\_name=am.a\_name and movie2.m\_name=am.m\_name order by actor.a\_name ;

a\_name | m\_name

---------------------+-------------

Amitabh Bachchan | Sholey

Amitabh Bachchan | Sarkar 3

Kartik aryan | Bank chor

Mr.Ritesh Deshmukh | Bank chor

Nawazuddin Siddiqui | Sarkar 3

Pankaj tripathi | Bharat

Pankaj tripathi | Sarkar 3

Salman khan | Bharat

Salman khan | Bank chor

Shushant | Sholey

Shushant | Dil Bechara

(11 rows)

2. List the names of movies whose producer is ‘Mr.Subhash Ghai’.

assignment=# select Movie.m\_name from Movie,Producer,PM where Movie.m\_name=PM.m\_name and Producer.producer\_id=PM.producer\_id and p\_name='Mr.Subhash Ghai';

m\_name

-----------

Bank chor

Sarkar 3

(2 rows)

3. Display details of the movies with the minimum budget.

assignment=# select \* from Movie where budget=(select min(budget) from Movie);

m\_name | release\_year | budget

-----------+--------------+---------------

Bank chor | 2017 | ₹5,000,000.00

(1 row)

4. List the names of movies released after year 2015.

assignment=# select m\_name from Movie where release\_year > 2015;

m\_name

-------------

Dil Bechara

Bharat

Sarkar 3

Bank chor

(4 rows)

5. Display count and total budget of all movies released in year 2017.

assignment=# select count(m\_name),sum(budget) from Movie where release\_year=2017;

count | sum

-------+----------------

2 | ₹12,000,000.00

(1 row)

6. List the names of actors who have acted in minimum number of movies.

assignment=# select a\_name from am where m\_name=(select min(m\_name) from am);

a\_name

--------------------

Mr.Ritesh Deshmukh

Salman khan

Kartik aryan

(3 rows)

7. List the names of movies produced by more than one producer.

assignment=# select m\_name from pm group by m\_name having count(producer\_id)>1;

m\_name

-----------

Bank chor

(1 row)

8. List the names of actors who played the role of ‘Villan’.

assignment=# select a\_name from Actor where role='villan';

a\_name

---------------------

Mr.Ritesh Deshmukh

Salman khan

Pankaj tripathi

Nawazuddin Siddiqui

(4 rows)

9. List the names of actors who have acted in at least one movie, in which ‘Mr. Ritesh Deshmukh’ has acted.

assignment=# select a\_name from am where m\_name like (select m\_name from am where a\_name='Mr.Ritesh Deshmukh') and a\_name!='Mr.Ritesh Deshmukh';

a\_name

--------------

Salman khan

Kartik aryan

(2 rows)

10. Display total number of actors acted in movie ‘Sholey’.

assignment=# select count(a\_name) from am where m\_name='Sholey';

count

-------

2

(1 row)