drop database if exists Moviesstudio;

create database Moviesstudio;

use Moviesstudio;

CREATE TABLE `Studio` (

`studioname` VARCHAR(50) NOT NULL,

`Address` VARCHAR(100) NOT NULL,

`ContactNo` INT(12) NOT NULL,

PRIMARY KEY (`studioname`)

);

Insert into Studio(studioname, Address,ContactNo)values

('Recordaband Sound Stage','bahria 3651','031258522'),

('MegaTalent Recording Studio','SCG 5525','03252167'),

('Originalities Soundbooth','CNAL GARDEN 18681','03262318'),

('Musicalian Ability Soundstage','DHA PHASE 3 15651','02158325'),

('Guitarflight Sound Studio','DHA PAHSE 4 23833','26825685');

CREATE TABLE `Producer` (

`pid` VARCHAR(15) NOT NULL,

`name` VARCHAR(15) NOT NULL,

`address` VARCHAR(100) NOT NULL,

`networth` INT(10) NOT NULL,

PRIMARY KEY (`pid`)

);

Insert into Producer(pid, name,address,networth)values

('D1005','HAMMAD','1033 N Park Ave','5000000'),

('D2006','JAWAD','302 S 700 E','1000000' ),

('D3007','USAMA','796 Dundas Street West','500' ),

('D4018','DANI','230 Elgin Street','1000' ),

('D5025','ROSHAN','194A Chain Lake Drive','2000');

CREATE TABLE Movie (

`title` VARCHAR(20) NOT NULL,

`year` INT(4) NOT NULL,

`inColor` VARCHAR(2) NOT NULL,

`studio\_Name` VARCHAR(50) NOT NULL,

`producerid` VARCHAR(15) NOT NULL,

`length` VARCHAR(4) NOT NULL,

PRIMARY KEY (`title` , `year`),

FOREIGN KEY (studio\_Name)

REFERENCES Studio (studioName)

ON DELETE CASCADE,

FOREIGN KEY (producerid)

REFERENCES Producer (pid)

ON DELETE CASCADE

);

INSERT INTO Movie(title,year,inColor,studio\_Name,producerid,length)values

('DON','2001','BW','Recordaband Sound Stage','D1005','2:30'),

('BADSHA','2001','CL','MegaTalent Recording Studio','D2006','2:15'),

('ONCE UPON A TIME','2005','BW','Originalities Soundbooth','D3007','1:60'),

('ENDGAME','2001','BW','Musicalian Ability Soundstage','D4018','2:45'),

('ITP','1995','CL','Guitarflight Sound Studio','D5025','1:75');

CREATE TABLE `MovieStar` (

`name` VARCHAR(25) NOT NULL,

`address` VARCHAR(100) NOT NULL,

`gender` VARCHAR(1) NOT NULL,

`birthdate` VARCHAR(15) NOT NULL,

PRIMARY KEY (`name`)

);

insert INTO MovieStar(name,address,gender,birthdate)values

('TONY STARK','033 N Park Ave','M','13:12:2001'),

('DANIYAL RANA','796 Dundas Street West','M','12:02:2005'),

('JAWAD RAUF','302 S 700 E','M','25:5:2000'),

('HAMMAD RAUF','194A Chain Lake Drive','M','13:06:1997'),

('saad rauf','230 Elgin Street','M','27:06:2011');

CREATE TABLE `StarsIn` (

`movieTitle` VARCHAR(25) NOT NULL,

`movieYear` INT(4) NOT NULL,

`starName` VARCHAR(25) NOT NULL,

FOREIGN KEY (`movieTitle` , `movieYear`)

REFERENCES Movie (`title` , `year`)

ON DELETE CASCADE,

FOREIGN KEY (`starName`)

REFERENCES MovieStar (`name`)

ON DELETE CASCADE

);

INSERT INTO StarsIn (movieTitle,movieYear,starName)values

('DON','2002','TONY STARK'),

('BADSHA','2001','DANIYAL RANA'),

('ONCE UPON A TIME','2005','JAWAD RAUF'),

('ENDGAME','2010','HAMMAD RAUF'),

('ITP','15','DANIYAL RANA');

SELECT name

FROM producer P

WHERE NOT exists(

SELECT inColor

FROM movie M

WHERE m.producerid=P.pid AND inColor ='BW'

);

SELECT \*

FROM producer P

WHERE exists(

SELECT \*

FROM movie M

WHERE m.producerid=P.pid

);

select p.name,m.title

from producer p inner join movie m on p.pid=m.producerid;

select s.studioname,s.Address,ContactNo

from Studio s natural join movie M

where M.year = 2001;

select s.\*

from studio s natural join movie m

where m.year='2001';

select p.name

from producer p

where p.pid in (

select producerid

from movie m

where m.title in (

select s.movieTitle

from starsin s

where s.starName='Harrison Ford')

);

SELECT P.NAME

FROM producer P INNER JOIN movie M ON P.PID=M.producerid

WHERE M.title !='Star wars';

SELECT P.NAME

FROM producer P INNER JOIN movie M ON M.producerid=P.pid

WHERE M.studio\_Name LIKE '%Disney%' OR '%MGM%';

SELECT S.starName

FROM starsin S

WHERE exists(

SELECT \*

FROM movie M

WHERE m.title=S.movieTitle

);

SELECT title,starName

FROM movie

JOIN starsin

ON starsin.movieTitle=movie.title

GROUP BY starName HAVING COUNT(\*)>=2;

SELECT starName,count(Title)

from starsin

NATURAL JOIN movie

GROUP BY starName,movieTitle

ORDER BY starName;

Select name, count(title)

From producer p join movie m on m.producerid=p.pid

where studio\_Name like '%Disney studios%'

Group by title

Having count(title) >10 ;