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Lab 2

Code:

create database Lab\_2;

use Lab\_2;

create table Movies (

Mid int primary key,

MName char(10),

Lactor varchar(50) not null,

Lactress varchar(50) not null,

Year date,

Dir varchar(50),

Rating real check(Rating>=0 and Rating<=5),

Revenue real check(Revenue>0),

Lang varchar(30)

);

create table Maward(

Mid int,

Winner varchar(50) not null,

Award enum('Oscar', 'BAFTA', 'Golden Lion', 'Caine'),

Award\_cat varchar(100),

Host varchar(100),

constraint fk\_constraint foreign key(Mid) references Movies(Mid)

);

alter table Movies modify MName char(10) not null;

alter table Maward rename to awarding;

alter table Movies add genre varchar(50) default('Drama') after Rating;

alter table awarding drop host;

alter table Movies rename column Dir to director;

alter table awarding add MA\_id int primary key;

alter table Movies modify MName varchar(50);

insert into Movies values (1,'Love Land','Ali','Amal',str\_to\_date('2019/1/1','%Y/%m/%d'),'Michael','3','Drama',250000000,'Arb');

insert into Movies values (2,'Life on Fire','Chris','Angela',str\_to\_date('2018/1/1','%Y/%m/%d'),'Michael','3','Drama',350000000,'Eng');

insert into Movies values (3,'Lost Gun','Ali','Fatima',str\_to\_date('2020/1/1','%Y/%m/%d'),'Michael','3','Drama',300000000,'Arb');

insert into Movies values (4,'Shiny Dimond','Ali','Angela',str\_to\_date('2021/1/1','%Y/%m/%d'),'Richard','3','Drama',105000000,'Eng');

insert into Movies values (5,'Death to You','Chris','Sufia',str\_to\_date('2019/1/1','%Y/%m/%d'),'Joseph','3','Drama',150000000,'Eng');

insert into Movies values (6,'Dont Open the Door','Said','Amal',str\_to\_date('2018/1/1','%Y/%m/%d'),'Joseph','3','Drama',350000000,'Arb');

insert into Movies values (7,'We Were Here','Richard','Ruchita',str\_to\_date('2010/1/1','%Y/%m/%d'),'Rajith','3','Drama',45000000000,'Indian');

insert into Movies values (8,'Colour of Love','Richard','Ruchita',str\_to\_date('2017/1/1','%Y/%m/%d'),'Michael','3','Drama',300000000,'Eng');

insert into Movies values (9,'You after Me','Luis','Sara',str\_to\_date('2020/1/1','%Y/%m/%d'),'Michael','3','Drama',600000000,'Eng');

insert into awarding values (1,'Ali','Oscar','Best Actor','1');

insert into awarding values (2,'Chris','Oscar','Best Actor','2');

insert into awarding values (3,'Ali','Caine','Best Actor','3');

insert into awarding values (5,'Chris','BAFTA','Best Actor','4');

insert into awarding values (2,'Angela','Oscar','Best Actress','5');

insert into awarding values (5,'Sufia','BAFTA','Best Actress','6');

insert into awarding values (8,'Michael','Golden Lion','Best Director','7');

select \* from Movies where Revenue in (select Revenue from Movies where Revenue>=300000000 and Revenue<=600000000) and year between str\_to\_date('2020/1/1','%Y/%m/%d') and str\_to\_date('2021/1/1','%Y/%m/%d') or year=str\_to\_date('2018/1/1','%Y/%m/%d');

Select distinct director from Movies as m, awarding as a where m.Mid!=a.Mid and m.director not in(select director from awarding, Movies where Movies.mid=awarding.mid);

select distinct MName from Movies as m, awarding as a where m.Mid!=a.Mid and Revenue>3000000000;

select distinct Lactress from Movies where lang='Arb';

select Mid,Award, Award\_cat from awarding where Mid in (select Mid from Movies where MName like '%Love%');

select distinct Lactor from Movies where Lactor in (select director from movies);

select Award,Award\_cat from awarding where Winner='Ali' and award not in (select award from awarding where Winner='Chris');

select distinct MName from Movies as m, awarding as a where m.Lactor in (select winner from awarding where Award\_cat='Best Actor') and m.Lactress not in (select winner from awarding where Award\_cat='Best Actress');

output:

* list all details about movies with revenue between 300000000 and 600000000 and released on 2021,2020, or 2018 [USE IN]
  + Graphical user interface, calendar

    Description automatically generated
* List all directors whose movie never won an award
  + Table

    Description automatically generated
* List all movie with revenue>3000000000 but not won an award
  + A picture containing graphical user interface

    Description automatically generated
* List actresses who acted only in Arabic movies
  + Diagram, table

    Description automatically generated
* Mention all award won by movies about ‘Love’
  + Graphical user interface, application, background pattern

    Description automatically generated
* List all actors who are also directors
  + Graphical user interface

    Description automatically generated
* List awards won by Ali but not by Chris
  + Graphical user interface

    Description automatically generated with medium confidence
* List movies whose actor won an award but actress has not [a little tricky]
  + Graphical user interface

    Description automatically generated with medium confidence