Program 1

CREATE DATABASE MOVIE;

USE MOVIE;

CREATE TABLE Movies(

title varchar(20) PRIMARY KEY,

director varchar(20) NOT NULL,

myear varchar(40) NOT NULL,

rating float NOT NULL);

CREATE TABLE Actors(

actor varchar(20) PRIMARY KEY,

ayear varchar(4) NOT NULL);

create table Directors(

director varchar(20) PRIMARY KEY,

dyear varchar(4) NOT NULL);

create table acts(

actor varchar(20) NOT NULL,

title varchar(20) NOT NULL,

foreign key(title)references Movies(title) on delete cascade);

insert into Movies values("Fargo","Coen",1996,8.2);

insert into Movies values("Raising Arizona","Coen",1987,7.6);

insert into Movies values("Spiderman","Raimi",2002,7.4);

insert into Movies values("Wonder Boys","Hanson",2000,7.6);

select \*from Movies;

insert into Actors values("Cage",1964);

insert into Actors values("Hanks",1956);

insert into Actors values("Maguire",1975);

insert into Actors values("MCDormand",1957);

insert into Directors values("Coen",1954);

insert into Directors values("Hanson",1945);

insert into Directors values("Raimi",1959);

insert into acts values("Cage","Raising Arizona");

insert into acts values("Maguire","Spiderman");

insert into acts values("Maguire","Wonder Boys");

insert into acts values("MCDormand","Fargo");

insert into acts values("MCDormand","Raising Arizona");

insert into acts values("MCDormand","Wonder Boys");

select \* from acts;

drop table acts;

select \* from Movies where myear>1997;

select \* from Movies where director="Hanson" and myear>1997;

select title,rating from Movies;

select director from Movies union select actor from acts;

CREATE VIEW qwerty AS

SELECT Movies.director, acts.actor

FROM Movies,acts

WHERE Movies.title = acts.title;

select \* from qwerty;

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CREATE VIEW test AS

SELECT Movies.title,Movies.director,acts.actor

FROM Movies,acts

WHERE Movies.title = acts.title;

select \* from test;

select test.title from test WHERE test.director="Coen" and test.actor="MCDormand";

SELECT Movies.title

FROM Movies,acts

WHERE Movies.director="Coen" and acts.actor="MCDormand" and Movies.title = acts.title;