

```
CREATE TABLE ACTOR (  
ACT_ID INT PRIMARY KEY,  
ACT_NAME VARCHAR(20) NOT NULL,  
ACT_GENDER CHAR(1) NOT NULL);
```

```
CREATE TABLE DIRECTOR(  
DIR_ID INT PRIMARY KEY,  
DIR_NAME VARCHAR(20) NOT NULL,  
DIR_PHONE INTEGER NOT NULL);
```

```
CREATE TABLE MOVIES(  
MOV_ID INT PRIMARY KEY,  
MOV_TITLE VARCHAR(25) NOT NULL,  
MOV_YEAR INT NOT NULL,  
MOV_LANG VARCHAR(15) NOT NULL,  
DIR_ID INT NOT NULL,  
FOREIGN KEY (DIR_ID) REFERENCES DIRECTOR(DIR_ID));
```

```
CREATE TABLE MOVIE_CAST(  
ACT_ID INT NOT NULL,  
MOV_ID INT NOT NULL,  
ROLE VARCHAR(10) NOT NULL,  
FOREIGN KEY (ACT_ID) REFERENCES ACTOR(ACT_ID),  
FOREIGN KEY (MOV_ID) REFERENCES MOVIES(MOV_ID));
```

```
CREATE TABLE RATING(  
MOV_ID INT,  
REV_STARS INT NOT NULL,  
FOREIGN KEY (MOV_ID) REFERENCES MOVIES(MOV_ID));
```

```
INSERT INTO ACTOR  
VALUES(111,'KAREENA','F'),  
(222,'SHAHRAKH','M'),  
(333,'SALMAN','M'),  
(444,'HRITHIK','M'),  
(555,'KATRINA','F');
```

```
INSERT INTO DIRECTOR VALUES(101,'ROHIT',9128287223),  
(102,'MADHAVAN',7895682359),  
(103,'YASH',6895623478),  
(104,'STEVEN',5892356987),  
(105,'PAVAN',2541359685);
```

```
INSERT INTO MOVIES VALUES ( 1111,'CHENNAI EXPRESS', 2016, 'HINDI', 101),  
(2222,'BALAM',2010,'HINDI',102),(4444,'WAR',2018,'ENGLISH',103),  
(3333,'MALE',1999,'KANNADA',103),(5555,'SALLU BHAI',2015,'HINDI',103),(6666,'REAR  
WINDOW',1954,'ENGLISH',104),(7777,'NOTORIOUS',1946,'ENGLISH',105);
```

```
INSERT INTO MOVIE_CAST VALUES(222,2222,'VILAN'),(333,4444,'HERO'),  
(111,4444,'HEROIN'),(444,3333,'GUEST'),(444,5555,'HERO'),(555,7777,'MOTHER');
```

```
INSERT INTO RATING VALUES (1111,3),(2222,4),(3333,4),(4444,5),(5555,3);
```

QUERIES.....

1.

```
SELECT MOV_TITLE FROM MOVIES
WHERE DIR_ID = (SELECT DIR_ID
FROM DIRECTOR
WHERE DIR_NAME='ROHIT');
```

2.

```
SELECT MOV_TITLE
FROM MOVIES M,MOVIE_CAST MC
WHERE M.MOV_ID=MC.MOV_ID AND ACT_ID IN (SELECT ACT_ID
FROM MOVIE_CAST GROUP BY ACT_ID
HAVING COUNT(ACT_ID)>=1)
GROUP BY MOV_TITLE
HAVING COUNT(*)>1;
```

3.

```
(SELECT A.ACT_NAME
FROM ACTOR A JOIN MOVIE_CAST M ON A.ACT_ID=M.ACT_ID
JOIN MOVIES M1 ON M.MOV_ID=M1.MOV_ID
WHERE M1.MOV_YEAR<2000 )
INTERSECT
(SELECT A.ACT_NAME
FROM ACTOR A JOIN MOVIE_CAST M ON A.ACT_ID=M.ACT_ID
JOIN MOVIES M1 ON M.MOV_ID=M1.MOV_ID
WHERE M1.MOV_YEAR>2014);
```

4.

```
SELECT MOV_TITLE,MAX(REV_STARS)
FROM MOVIES
INNER JOIN RATING USING (MOV_ID)
GROUP BY MOV_TITLE
HAVING MAX(REV_STARS)>0
ORDER BY MOV_TITLE;
```

5.

```
UPDATE RATING
SET REV_STARS=5
WHERE MOV_ID IN (SELECT MOV_ID FROM MOVIES
WHERE DIR_ID IN (SELECT DIR_ID
FROM DIRECTOR
WHERE DIR_NAME='STEVEN'));
```