Ex. No : 9
Implementation of set operators nested queries, and join queries

1. Consider the schema for MovieDatabase:
ACTOR (Act_id, Act_Name, Act_Gender)
  P.Key-Act_Id
DIRECTOR (Dir_id, Dir_Name, Dir_Phone)
  P.Key-Dir_id
MOVIES (Mov_id, Mov_Title, Mov_Year, Mov_Lang, Dir_id)
  P.Key-Mov_id, F.Key - DIRECTOR(Dir_id)
MOVIE_CAST (Act_id, Mov_id, Role)
  P.Key- Act_id,
  F.Key – ACTOR(Act_id), F.Key - MOVIES(Mov_id)
RATING (Mov_id, Rev_Stars)
  P.Key - Mov_id, F.Key - MOVIES(Mov_id)

2. Create database
```
INSERT INTO ACTOR VALUES (301,'ANUSHKA','F');
INSERT INTO ACTOR VALUES (302,'PRABHAS','M');
INSERT INTO ACTOR VALUES (303,'PUNITH','M');
INSERT INTO ACTOR VALUES (304,'JERMY','M');

INSERT INTO DIRECTOR VALUES (60,'RAJAMOULI', 8751611001);
INSERT INTO DIRECTOR VALUES (61,'HITCHCOCK', 7766138911);
INSERT INTO DIRECTOR VALUES (62,'FARAN', 9986776531);
INSERT INTO DIRECTOR VALUES (63,'STEVEN SPIELBERG', 8989776530);

INSERT INTO MOVIES VALUES (1001,'BAHUBALI-2', 2017, 'TELAGU', 60);
INSERT INTO MOVIES VALUES (1002,'BAHUBALI-1', 2015, 'TELAGU', 60);
INSERT INTO MOVIES VALUES (1003,'AKASH', 2008, 'KANNADA', 61);
INSERT INTO MOVIES VALUES (1004,'WAR HORSE', 2011, 'ENGLISH', 63);

INSERT INTO MOVIE_CAST VALUES (301, 1002, 'HEROINE');
INSERT INTO MOVIE_CAST VALUES (301, 1001, 'HEROINE');
INSERT INTO MOVIE_CAST VALUES (303, 1003, 'HERO');
INSERT INTO MOVIE_CAST VALUES (303, 1002, 'GUEST');
INSERT INTO MOVIE_CAST VALUES (304, 1004, 'HERO');

INSERT INTO RATING VALUES (1001,4);
INSERT INTO RATING VALUES (1002,2);
INSERT INTO RATING VALUES (1003, 5);
INSERT INTO RATING VALUES (1004, 4);

select * from ACTOR;
select * from DIRECTOR;
select * from MOVIES;
select * from MOVIE_CAST;
```

select * from RATING;

3. Write SQL queries to

1. List the titles of all movies directed by'Hitchcock'.

2. Find the movie names where one or more actors acted in two or moremovies.

3. List all actors who acted in a movie before 2000 and also in a movieafter 2015 (use JOINoperation).

4. Find the title of movies and number of stars for each movie that has at least one rating and find the highest number of stars that movie received. Sort the result by movie title.

5. Update rating of all movies directed by 'Steven Spielberg' to5.