

DBMS WEEK-6

Consider the schema for Movie Database: ACTOR(Act_id, Act_Name, Act_Gender) DIRECTOR(Dir_id, Dir_Name, Dir_Phone) MOVIES(Mov_id, Mov_Title, Mov_Year, Mov_Lang, Dir_id) MOVIE_CAST(Act_id, Mov_id, Role) RATING(Mov_id, Rev_Stars) 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 more movies.**
- 3. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).**
- 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' to 5.**

OUTPUT:

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

Query 1 Insurance_DB ORDERS_DB bank_db movie_db x supplier stud_fac college_db

Limit to 1000 rows

```
54 (14,1005,'guest');
55 • INSERT INTO rating values
56 (1004,5),
57 (1003,4),
58 (1002,3),
59 (1001,4),
60 (1005,2);
61
62 /*1. List the titles of all movies directed by 'Hitchcock'.*/
63 • SELECT movies.movie_title FROM director,movies WHERE director.dir_id=movies.dir_id AND di
64
```

Result Grid



movie_title
Star Wars


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


```
65  /*2. Find the movie names where one or more actors acted in two or more movies.*/
66  • SELECT movie_TITLE FROM movies, movie_cast WHERE movies.movie_id=movie_cast.movie_id and actor_id IN
67
68  /*3. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN oper
69  • SELECT actor_name, movie_title, movie_year from actor join movie_cast on actor.actor_id=movie_cast.ac
70
```

<

Result Grid

  Filter Rows:


Export: 

Wrap Cell Content: 

	movie_TITLE
▶	After Earth
	The A team

3. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).

```
68 /*3. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation)
69 • SELECT actor_name,movie_title,movie_year from actor join movie_cast on actor.actor_id=movie_cast.actor_id
70
71 • /*4. Find the title of movies and number of stars for each movie that has at least one rating and
72   number of stars that movie received. Sort the result by movie title.*/
73 • SELECT movie_title,max(rev_star) FROM movies,rating WHERE movies.movie_id=rating.movie_id GROUP BY movie_title
74
75 /*5. Update rating of all movies directed by 'Steven Spielberg' to 5.*/
76 • UPDATE RATING SET rev_star=5 WHERE movie_id IN (SELECT MOVIE_ID FROM movies.director WHERE movies.director_name='Steven Spielberg')
```

< 

	actor_name	movie_title	movie_year
▶	Courtney	Sopranos	1999
	James	The A team	2020

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.

```
68      /*3. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN
69 •    SELECT actor_name,movie_title,movie_year from actor join movie_cast on actor.actor_id=movie_ca:
70
71      /*4. Find the title of movies and number of stars for each movie that has at least one rating :
72          number of stars that movie received. Sort the result by movie title.*/
73 •    SELECT movie_title,max(rev_star) FROM movies,rating WHERE movies.movie_id=rating.movie_id GROU
74
75      /*5. Update rating of all movies directed by 'Steven Spielberg' to 5.*/
76 •    UPDATE RATING SET rev_star=5 WHERE movie_id IN(SELECT MOVIE_ID FROM movies,director WHERE movi
77 •    SELECT*FROM rating;
```

<		
Result Grid		
Filter Rows:		
Export:		
Wrap Cell Content:		
	movie_title	max(rev_star)
▶	After Earth	5
	Oceans 11	5
	Sopranos	5
	Star Wars	4
	The A team	2

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

Query 1 Insurance_DB ORDERS_DB bank_db movie_db x supplier stud_fac college_db

Limit to 1000 rows

```
68 /*3. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN op
69 • SELECT actor_name,movie_title,movie_year from actor join movie_cast on actor.actor_id=movie_cast.
70
71 /*4. Find the title of movies and number of stars for each movie that has at least one rating and
72 number of stars that movie received. Sort the result by movie title.*/
73 • SELECT movie_title,max(rev_star) FROM movies,rating WHERE movies.movie_id=rating.movie_id GROUP B
74
75 /*5. Update rating of all movies directed by 'Steven Spielberg' to 5.*/
76 • UPDATE RATING SET rev_star=5 WHERE movie_id IN(SELECT MOVIE_ID FROM movies,director WHERE movies.
77 • SELECT*FROM rating;
```

Result Grid

	movie_id	rev_star
▶	1001	5
	1002	5
	1003	4
	1004	5
	1005	2

*****WEEK 6 ENDS*****