ASSIGNEMNT - 2

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 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.

SCRIPTS

```
mov_lang varchar(20),
       dir_id int);
CREATE TABLE movie_cast (
       mov_id int,
       act_id int,
       role varchar(20));
CREATE TABLE rating (
       mov_id int,
       rev_star int);
1. Query:
     SELECT m.mov_title
     FROM movies m JOIN directors d
            ON m.dir_id=d.dir_id
     WHERE d.dir_name="Hitchcock";
2. Query:
     SELECT M.mov_title
     FROM movies M JOIN movie_cast MC
            ON M.mov_id=MC.mov_id
     WHERE MC.mov_id in (
                   SELECT M.mov_id
                   FROM movies M JOIN movie_cast MC
                   ON M.mov_id=MC.mov_id
                   GROUP BY M.mov_id
                   HAVING COUNT(MC.act_id)>1)
            GROUP BY MC.act_id
            HAVING COUNT(MC.mov_id)>1;
3. Query:
     SELECT DISTINCT a.act_name
     FROM actors a JOIN movie_cast mc
            ON a.act_id=mc.act_id
     JOIN movies m
            ON m.mov_id=mc.mov_id
     WHERE
            CAST(m.mov_year AS Decimal) < 2000 or
            CAST(m.mov_year AS Decimal) > 2015;
```

4. Query:

```
SELECT m.mov_title,max(r.rev_star) 'Top Stars'
FROM rating r JOIN movies m
ON r.mov_id=m.mov_id
WHERE r.rev_star>0
GROUP BY m.mov_title
ORDER BY m.mov_title;
```

5. **Query:**

```
UPDATE rating

SET rev_star=5

WHERE mov_id IN (

SELECT m.mov_id

FROM movies m JOIN directors d

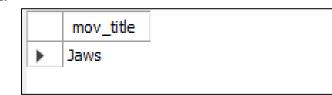
ON m.dir_id=d.dir_id

WHERE d.dir_name="steven spielberg");
```

OUTPUTS

1.

2.



3.

	act_name
▶ F	Robert
A	Angelina
t	obie

4.

	mov_title	Top Stars
•	Jaws	3
	Jurassic Park	5
	Lifeboat	5
	rope	3
	The Dark knight	4

5.

