```sql
select * from tab;

CREATE TABLE ACTOR (ACT_ID NUMBER (3),ACT_NAME VARCHAR (20),ACT_GENDER CHAR
(1),PRIMARY KEY (ACT_ID));

CREATE TABLE DIRECTOR (DIR_ID NUMBER (3),DIR_NAME VARCHAR (20),DIR_PHONE NUMBER
(10),PRIMARY KEY (DIR_ID));

CREATE TABLE MOVIES (MOV_ID NUMBER (4),MOV_TITLE VARCHAR (25),MOV_YEAR NUMBER
(4),MOV_LANG VARCHAR (12),DIR_ID NUMBER (3),PRIMARY KEY (MOV_ID),FOREIGN KEY (DIR_ID)
REFERENCES DIRECTOR (DIR_ID));

CREATE TABLE MOVIE_CAST (ACT_ID NUMBER (3),MOV_ID NUMBER (4),ROLE VARCHAR
(10),PRIMARY KEY (ACT_ID, MOV_ID),FOREIGN KEY (ACT_ID) REFERENCES ACTOR (ACT_ID),FOREIGN
KEY (MOV_ID) REFERENCES MOVIES (MOV_ID));

CREATE TABLE RATING (MOV_ID NUMBER (4),REV_STARS VARCHAR (25),PRIMARY KEY
(MOV_ID),FOREIGN KEY (MOV_ID) REFERENCES MOVIES (MOV_ID));

desc ACTOR;

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;

	ACT_ID	ACT_NAME	ACT_GENDER
1	301	ANUSHKA	F
2	302	PRABHAS	M
3	303	PUNITH	M
4	304	JERMY	M

SELECT * FROM DIRECTOR;

	DIR_ID	DIR_NAME	DIR_PHONE
1	60	RAJAMOULI	8751611001
2	61	HITCHCOCK	7766138911
3	62	FARAN	9986776531
4	63	STEVEN SPIELBERG	8989776530

SELECT * FROM MOVIES;

	MOV_ID	MOV_TITLE	MOV_YEAR	MOV_LANG	DIR_ID
1	1001	BAHUBALI-2	2017	TELAGU	60
2	1002	BAHUBALI-1	2015	TELAGU	60
3	1003	AKASH	2008	KANNADA	61
4	1004	WAR HORSE	2011	ENGLISH	63

SELECT * FROM MOVIE_CAST;

	ACT_ID	MOV_ID	ROLE
1	301	1002	HEROINE
2	301	1001	HEROINE
3	303	1003	HERO
4	303	1002	GUEST
5	304	1004	HERO

SELECT * FROM RATING;

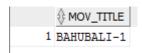|	MOV_ID	REV_STARS
1	1001	4
2	1002	2
3	1003	5
4	1004	5

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

SELECT MOV_TITLE FROM MOVIES WHERE DIR_ID IN (SELECT DIR_ID FROM DIRECTOR WHERE DIR_NAME = 'HITCHCOCK');
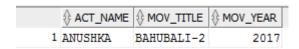
	MOV_TITLE
1	AKASH

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

SELECT MOV_TITLE FROM MOVIES M, MOVIE_CAST MV WHERE M.MOV_ID=MV.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;
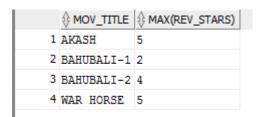
	MOV_TITLE
1	BAHUBALI-1

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

SELECT ACT_NAME, MOV_TITLE, MOV_YEAR FROM ACTOR A JOIN MOVIE_CAST C ON A.ACT_ID=C.ACT_ID JOIN MOVIES M ON C.MOV_ID=M.MOV_ID WHERE M.MOV_YEAR NOT BETWEEN 2000 AND 2015;

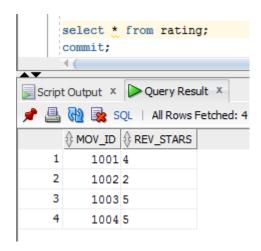|	ACT_NAME	MOV_TITLE	MOV_YEAR
1	ANUSHKA	BAHUBALI-2	2017

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.

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;

	MOV_TITLE	MAX(REV_STARS)
1	AKASH	5
2	BAHUBALI-1	2
3	BAHUBALI-2	4
4	WAR HORSE	5

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

```sql
select * from rating;
commit;
```

Script Output ✕ | Query Result ✕

SQL | All Rows Fetched: 4

	MOV_ID	REV_STARS
1	1001	4
2	1002	2
3	1003	5
4	1004	5

commit;