LAB-6 OUTPUT

```
create database movie;
use movie;
CREATE TABLE ACTOR (
ACT_ID INT,
ACT_NAME VARCHAR (20),
ACT_GENDER CHAR (1),
PRIMARY KEY (ACT_ID));
CREATE TABLE DIRECTOR (
DIR ID INT,
DIR_NAME VARCHAR (20),
DIR_PHONE real,
PRIMARY KEY (DIR_ID));
CREATE TABLE MOVIES (
MOV_ID INT,
MOV_TITLE VARCHAR (25),
MOV_YEAR INT,
MOV_LANG VARCHAR (12),
DIR ID INT,
PRIMARY KEY (MOV_ID),
FOREIGN KEY (DIR_ID) REFERENCES DIRECTOR (DIR_ID));
CREATE TABLE MOVIE_CAST (
ACT ID INT,
MOV_ID INT,
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 INT,
REV STARS VARCHAR (25),
PRIMARY KEY (MOV ID),
FOREIGN KEY (MOV ID) REFERENCES MOVIES (MOV ID));
show tables;
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');
SELECT * FROM ACTOR;
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);
SELECT * FROM DIRECTOR;
INSERT INTO MOVIES VALUES (1001, 'BAHUBALI-2', 2017, 'TELUGU',
60);
INSERT INTO MOVIES VALUES (1002, 'BAHUBALI-1', 2015, 'TELUGU',
60);
INSERT INTO MOVIES VALUES (1003, 'AKASH', 2008, 'KANNADA', 61);
INSERT INTO MOVIES VALUES (1004, 'WAR HORSE', 2011, 'ENGLISH',
63);
SELECT * FROM MOVIES;
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');
SELECT * FROM MOVIE CAST;
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 RATING;
/*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');
/*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 (MOV TITLE) >1;
/*3. List all actors who acted in a movie before 2000 and also
in a movie after
2015 (use JOIN operation).*/
```

```
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;
/*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;
/*5. Update rating of all movies directed by 'Steven Spielberg'
to 5*/
UPDATE RATING
SET REV STARS='5'
WHERE MOV ID = (SELECT MOV ID FROM MOVIES
WHERE DIR_ID = (SELECT DIR_ID FROM DIRECTOR
WHERE DIR NAME = 'STEVEN
SPIELBERG'));
SELECT * FROM RATING;
```

SELECT ACT_NAME, MOV_TITLE, MOV_YEAR







