**CREATE TABLE ACTOR ( ACT\_ID NUMBER (3), ACT\_NAME VARCHAR (20), ACT\_GENDER CHAR (1), PRIMARY KEY (ACT\_ID));**

**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;**

**CREATE TABLE DIRECTOR ( DIR\_ID NUMBER (3), DIR\_NAME VARCHAR (20), DIR\_PHONE NUMBER (10), PRIMARY KEY (DIR\_ID));**

**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;**

**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));**

**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);**

**select \* from movies;**

**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));**

**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;**

**CREATE TABLE RATING ( MOV\_ID NUMBER (4), REV\_STARS VARCHAR (25), PRIMARY KEY (MOV\_ID), FOREIGN KEY (MOV\_ID) REFERENCES MOVIES (MOV\_ID));**

**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;**

**/\* 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');**

**/\*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;**

**/\*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;**

**/\*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;**

**/\*Update rating of all movies directed by ‘Steven Spielberg’ to 5 KL \*/**

**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'));**