**PROGRAM 9: MOVIE DATABASE  
  
  
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**

**i. List the titles of all movies directed by ‘Hitchcock’.**

SELECT MOV\_TITLE FROM MOVIES WHERE DIR\_ID = (SELECT DIR\_ID FROM DIRECTOR WHERE DIR\_NAME='HITCHCOCK')

**1**

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

SELECT MOV\_TITLE FROM MOVIES M,MOVIE\_CAST MC WHERE M.MOV\_ID=MC.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

**2**

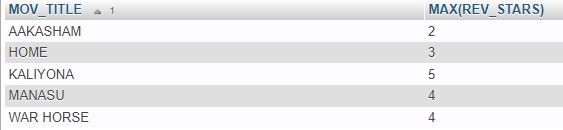
**iii. List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).**

SELECT ACT\_NAME 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

**3**

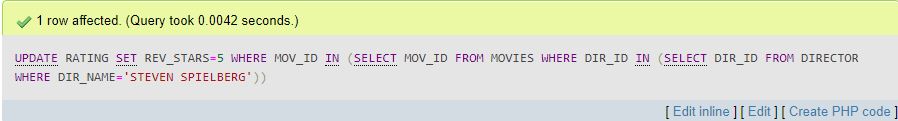
**iv. Find the title of movies and number of stars for each movie that has at least one rating and find the highest number of stars that movie received. Sort the result by movie title.**

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

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**v. 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'))

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