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)

ATING(Mov_id, Rev_Stars)

Write SQL queries to

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

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

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

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.

v. Update rating of all movies directed by 'Steven Spielberg' to 5.

ACTOR

+ Options

			ACTID	ACTNAME	ACTGENDER
☐	🖉 Edit	📋 Copy	⊖ Delete	301	anuskha	f
☐	🖉 Edit	📋 Copy	⊖ Delete	302	prabhas	m
☐	🖉 Edit	📋 Copy	⊖ Delete	303	punith	m
☐	🖉 Edit	📋 Copy	⊖ Delete	304	sudeep	m
☐	🖉 Edit	📋 Copy	⊖ Delete	305	akshay	m

DIRECTOR

+ Options

			DIRID	DIRNAME	DIRPHONE
☐	🖉 Edit	📋 Copy	⊖ Delete	60	RAJAMOULI	919191919
☐	🖉 Edit	📋 Copy	⊖ Delete	61	HITCHCOCK	818181818
☐	🖉 Edit	📋 Copy	⊖ Delete	62	FARAN	717171717
☐	🖉 Edit	📋 Copy	⊖ Delete	63	STEVEN SPIELBERG	616161616
☐	🖉 Edit	📋 Copy	⊖ Delete	64	MANIRATHNAM	919191919

MOVIECAST

+ Options

			ACTID	MOVID	ROLE
☐	🖉 Edit	📋 Copy	⊖ Delete	301	1001	HEROINE
☐	🖉 Edit	📋 Copy	⊖ Delete	301	1002	HEROINE
☐	🖉 Edit	📋 Copy	⊖ Delete	303	1002	GUEST
☐	🖉 Edit	📋 Copy	⊖ Delete	303	1003	HERO
☐	🖉 Edit	📋 Copy	⊖ Delete	304	1004	HERO

MOVIES

+ Options

				MOVID	MOVTITLE	MOVYEAR	MOVLANG	DIRID
☐	🖉 Edit	📋 Copy	⊘ Delete	1001	BAHUBALI-2	2017	TELUGU	60
☐	🖉 Edit	📋 Copy	⊘ Delete	1002	BAHUBALI-1	2015	TELUGU	60
☐	🖉 Edit	📋 Copy	⊘ Delete	1003	AKASH	2008	KANNADA	61
☐	🖉 Edit	📋 Copy	⊘ Delete	1004	WAR HORSE	2011	ENGLISH	63
☐	🖉 Edit	📋 Copy	⊘ Delete	1005	TRAPKING	2017	ENGLISH	64

RATING

+ Options

				MOVID	REVSTARS
☐	🖉 Edit	📋 Copy	⊘ Delete	1001	4
☐	🖉 Edit	📋 Copy	⊘ Delete	1002	2
☐	🖉 Edit	📋 Copy	⊘ Delete	1003	5
☐	🖉 Edit	📋 Copy	⊘ Delete	1004	4
☐	🖉 Edit	📋 Copy	⊘ Delete	1005	1

3)

✔ Showing rows 0 - 0 (1 total, Query took 0.0036 seconds.)

```
SELECT MOVTITLE FROM MOVIES WHERE DIRID IN (SELECT DIRID FROM DIRECTOR WHERE DIRNAME='HITCHCOCK')
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▼ | Filter rows: Search this table

+ Options

				MOVTITLE
☐	🖉 Edit	📋 Copy	⊘ Delete	AKASH

↑ ☐ Check all | With selected: 🖉 Edit 📋 Copy ⊘ Delete 🖳 Export

4)

✔ Showing rows 0 - 0 (1 total, Query took 0.0062 seconds.)

```
SELECT MOVTITLE FROM MOVIES M,MOVIECAST MV WHERE M.MOVID=MV.MOVID AND ACTID IN (SELECT ACTID FROM MOVIECAST GROUP BY ACTID HAVING COUNT(ACTID)>1)
GROUP BY MOVTITLE HAVING COUNT(*)>1
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▼ | Filter rows: Search this table

+ Options

MOVTITLE
BAHUBALI-1

5)

✔ Showing rows 0 - 0 (1 total, Query took 0.0034 seconds.)

```
SELECT ACTNAME,MOVTITLE,MOVYEAR FROM ACTOR A JOIN MOVIECAST C ON A.ACTID=C.ACTID JOIN MOVIES M ON C.MOVID=M.MOVID WHERE M.MOVYEAR NOT BETWEEN
2000 AND 2015
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▼ | Filter rows: Search this table

+ Options

ACTNAME	MOVTITLE	MOVYEAR
anuskha	BAHUBALI-2	2017

6)

Showing rows 0 - 4 (5 total, Query took 0.0937 seconds.) [MOVTITLE: **AKASH...** - **WAR HORSE...**]

SELECT MOVTITLE,MAX(REVSTARS) FROM MOVIES INNER JOIN RATING USING (MOVID) GROUP BY MOVTITLE HAVING MAX(REVSTARS)>0 ORDER BY MOVTITLE

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾   Filter rows: Search this table

+ Options

MOVTITLE ▲ 1	MAX(REVSTARS)
AKASH	5
BAHUBALI-1	2
BAHUBALI-2	4
TRAPKING	1
WAR HORSE	4

7)

Show query box

1 row affected. (Query took 0.0630 seconds.)

UPDATE RATING SET REVSTARS=5 WHERE MOVID IN (SELECT MOVID FROM MOVIES WHERE DIRID IN (SELECT DIRID FROM DIRECTOR WHERE DIRNAME='STEVEN SPIELBERG'))

[Edit inline] [Edit] [Create PHP code]