

## LAB- 9 (program)

### PROGRAM 8 :- 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)

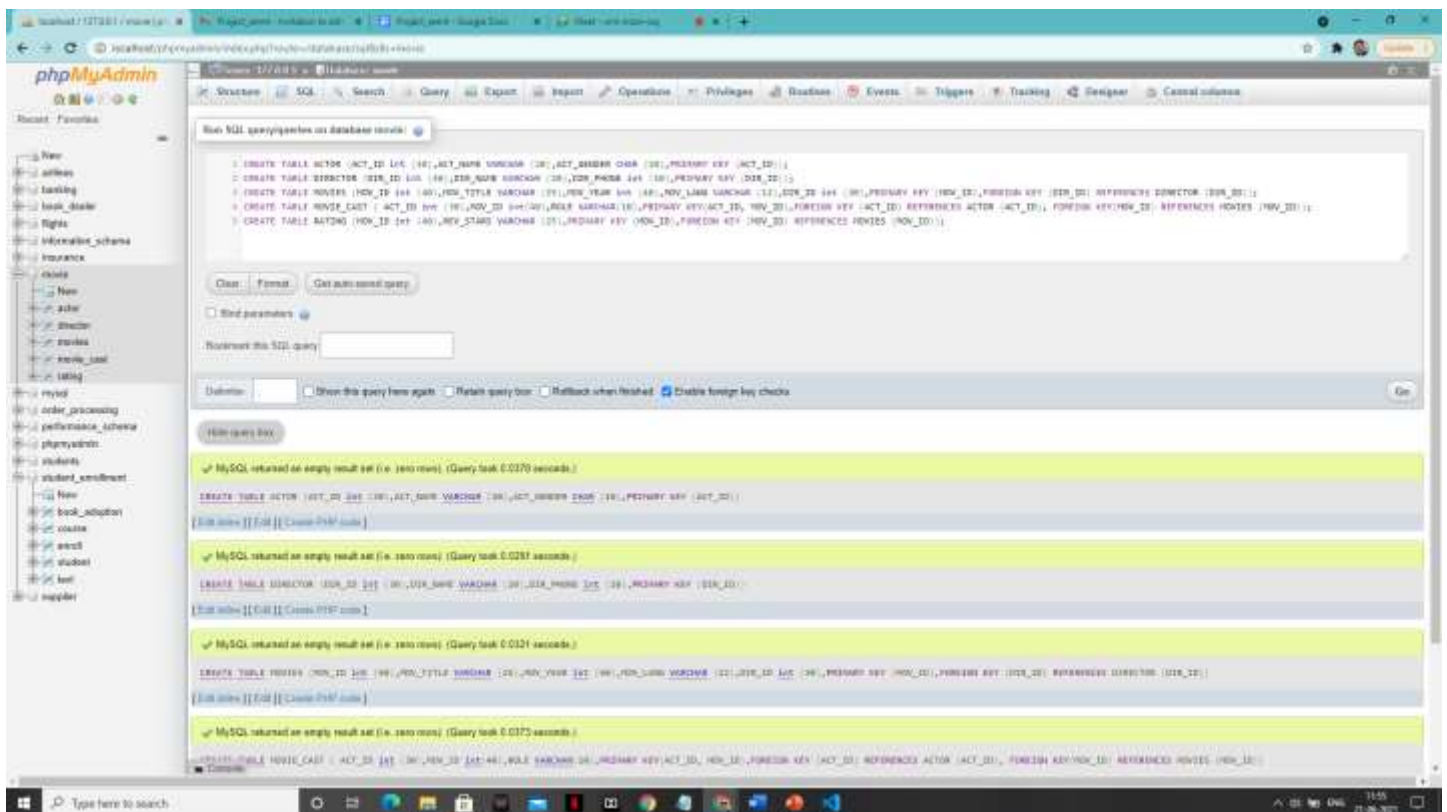
**MOVIE\_CAST**(Act\_id, Mov\_id, Role)

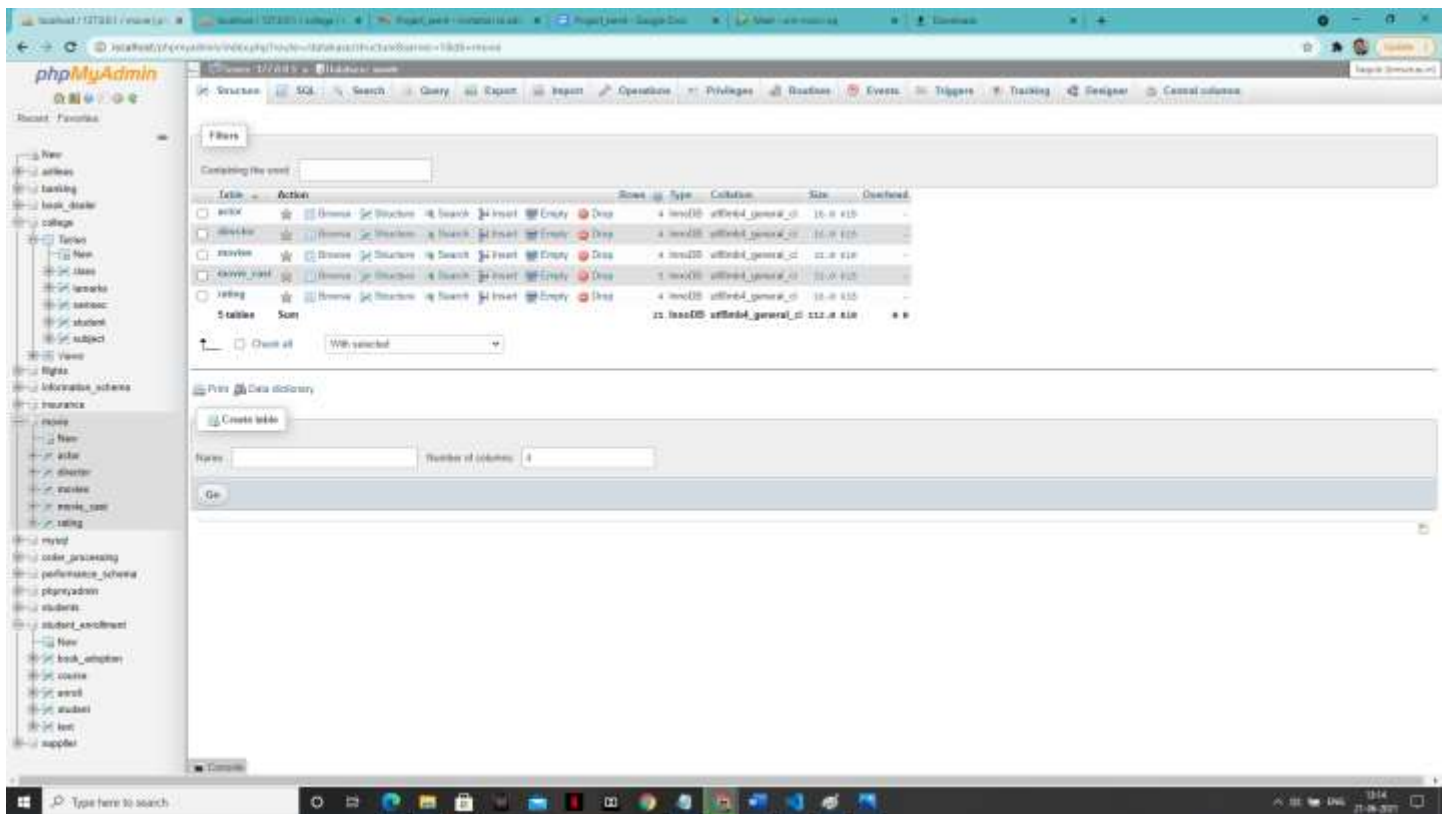
**RATING**(Mov\_id, Rev\_Stars)

Write SQL queries to

- List the titles of all movies directed by 'Hitchcock'.
- Find the movie names where one or more actors acted in two or more movies.
- List all actors who acted in a movie before 2000 and also in a movie after 2015 (use JOIN operation).
- 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.
- Update rating of all movies directed by 'Steven Spielberg' to 5.

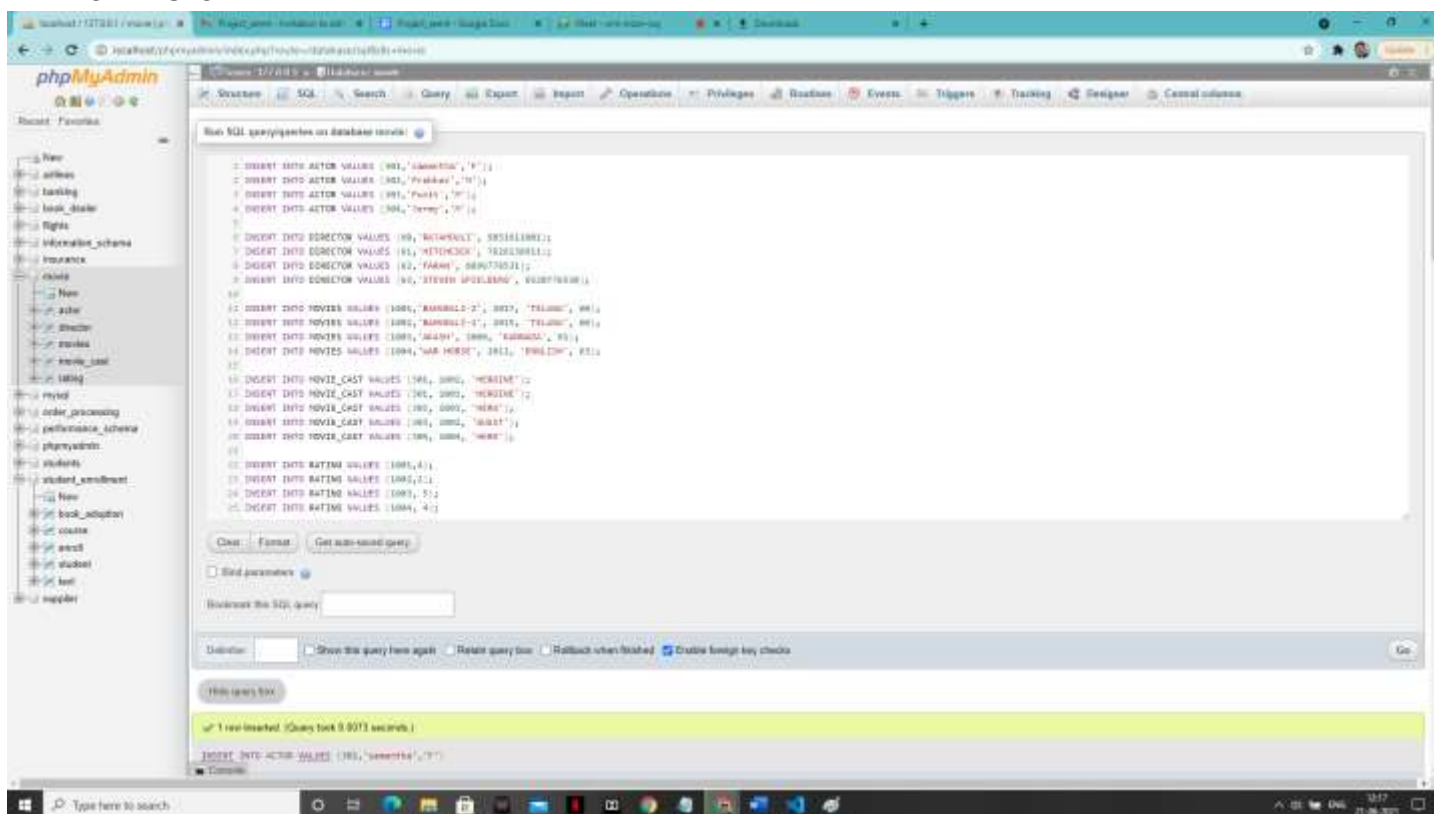
Create table:-





2) Enter tuples for each relation:-

## TABLES VALUES:-



'ACTOR' table:

Showing rows 1 - 4 (4 total, Query took 0.0011 seconds)

SELECT \* FROM `ACT`

Options

ACT_ID	ACT_NAME	ACT_GENDER
301	Samantha	F
302	Prakash	M
303	Punit	M
304	Amy	F

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

Label:  ☐ Let every user access this bookmark

Bookmark this SQL query

‘DIRECTOR’ table:

Showing rows 1 - 4 (4 total, Query took 0.0097 seconds)

SELECT \* FROM `DIRECTOR`

Options

DIR_ID	DIR_NAME	DIR_PHONE
60	SAJAGOLU	252743047
61	HITCHCOCK	252743047
62	PADMA	252743047
63	STEVEN SPIELBERG	252743047

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

Label:  ☐ Let every user access this bookmark

Bookmark this SQL query

'MOVIE' table:

The screenshot shows the phpMyAdmin interface for a database named 'college'. The 'MOVIE' table is selected, and the 'Structure' tab is active. The table has 6 columns: MOV\_ID, MOV\_TITLE, MOV\_YEAR, MOV\_LANG, and DIR\_ID. The 'Data' tab shows 4 rows of data.

MOV_ID	MOV_TITLE	MOV_YEAR	MOV_LANG	DIR_ID
4881	BANUSAL-2	2017	TELUGU	66
4902	BANUSAL-1	2016	TELUGU	66
1903	AKASH	2008	KANNADA	61
1904	SHAKHSE	2011	ENGLISH	61

'MOVIE\_CAST' value: -

phpMyAdmin interface showing the 'rating' table structure and data.

Query: `SELECT * FROM `rating``

Options: ☐ Check all, Number of rows: 25, Filter rows: Search this table, Sort by key: None

				ACT_ID	MCN_ID	RATE
<input type="checkbox"/>	Edit	Copy	Delete	301	1001	HEROINE
<input type="checkbox"/>	Edit	Copy	Delete	301	1002	HEROINE
<input type="checkbox"/>	Edit	Copy	Delete	303	1002	GUEST
<input type="checkbox"/>	Edit	Copy	Delete	303	1003	HERO
<input type="checkbox"/>	Edit	Copy	Delete	304	1004	HERO

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

Label:  ☐ Let every user access this bookmark

Bookmark this SQL query

'RATING' table:

phpMyAdmin interface showing the 'rating' table structure and data.

Query: `SELECT * FROM `rating``

Options: ☐ Check all, Number of rows: 25, Filter rows: Search this table, Sort by key: None

				MCN_ID	REV_STARS
<input type="checkbox"/>	Edit	Copy	Delete	1001	4
<input type="checkbox"/>	Edit	Copy	Delete	1002	3
<input type="checkbox"/>	Edit	Copy	Delete	1003	5
<input type="checkbox"/>	Edit	Copy	Delete	1004	5

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Bookmark this SQL query

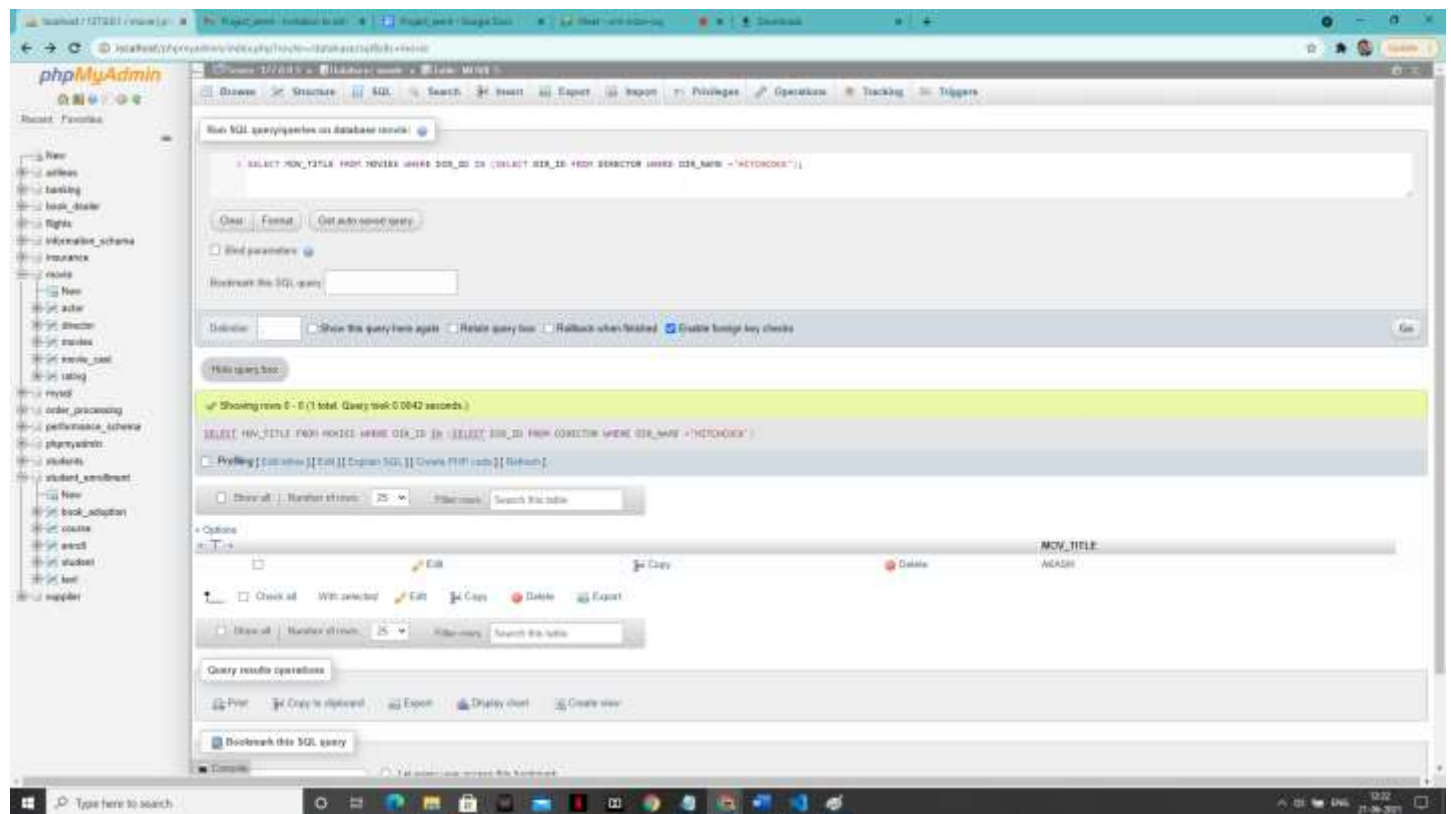
Label:  ☐ Let every user access this bookmark

Bookmark this SQL query



**1:-**

**1:-**



**2:-**

Run SQL queries/queries on database results

```
SELECT MOV_TITLE FROM MOVIES WHERE MOV_YEAR=2017 AND ACT_ID IN (SELECT ACT_ID FROM MOVIES_CAST GROUP BY ACT_ID HAVING COUNT(ACT_ID)=1) GROUP BY MOV_TITLE HAVING COUNT(*)=1
```

Showing rows 0 - 0 (1 total. Query took 0.000 seconds.)

```
SELECT MOV_TITLE FROM MOVIES WHERE MOV_YEAR=2017 AND ACT_ID IN (SELECT ACT_ID FROM MOVIES_CAST GROUP BY ACT_ID HAVING COUNT(ACT_ID)=1) GROUP BY MOV_TITLE HAVING COUNT(*)=1
```

Options

MOV_TITLE
SAH BAJI-1

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

3:-

Run SQL queries/queries on database results

```
SELECT ACT_NAME, MOV_TITLE, MOV_YEAR FROM ACTOR JOIN MOVIES_CAST 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
```

Showing rows 0 - 0 (1 total. Query took 0.000 seconds.)

```
SELECT ACT_NAME, MOV_TITLE, MOV_YEAR FROM ACTOR JOIN MOVIES_CAST 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
```

Options

ACT_NAME	MOV_TITLE	MOV_YEAR
SAN BAJI-2		2017

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

4:

The screenshot shows the phpMyAdmin web interface. On the left is a sidebar with a database structure tree. The main area is titled 'Run SQL queries on database results'. A SQL query is entered in the text area:

```
SELECT MOV_TITLE,MOV_YEAR,STATUS FROM MOVIES ORDER BY MOV_YEAR STATUS (MOV_ID) GROUP BY MOV_TITLE MOV_YEAR MOV_YEAR,STATUS (4 ORDER BY MOV_TITLE)
```

Below the query area, there are buttons for 'Query', 'Format', and 'Get auto-saved query'. There is also a checkbox for 'Bind parameters' and a text input for 'Redirect the SQL query'. At the bottom of the query area, there are checkboxes for 'Show this query here again', 'Repeat query box', 'Rollback when finished', and 'Enable foreign key checks'. A 'Go' button is on the right.

Below the query area, there is a message: 'Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.' Below this is a status bar: 'Showing rows 5 - 7 (4 MB, Query took 0.064 seconds) [MOV\_TITLE: AKASH... WMA HORSE...]'.

The results are displayed in a table with the following data:

MOV_TITLE	MOV_YEAR	STATUS
AKASH	5	
SAHUSALI 1	2	
SAHUSALI 2	4	
WMA HORSE	5	

At the bottom of the results table, there are buttons for 'Share all', 'Number of rows: 25', and 'Filter rows: Search this table'. Below the table is a 'Query results operations' section with buttons for 'Print', 'Copy to clipboard', 'Export', 'Display alert', and 'Create view'.

5:-



phpMyAdmin interface showing a SQL query execution result. The query is:

```
UPDATE MOVIES SET REV_START=5 WHERE MOV_ID IN (SELECT MOV_ID FROM MOVIES WHERE MOV_ID IN (SELECT MOV_ID FROM DIRECTOR WHERE DIR_NAME = 'STEVEN SPIELBERG'));
```

The result shows 1 row affected (Query took 0.0215 seconds).

Below the query, there is a section for "Query results operations" with buttons: Print, Copy to clipboard, Export, Display chart, Create view.

At the bottom, there is a "Bookmark this SQL query" section with a label field and a checkbox "Let every user access this bookmark".

phpMyAdmin interface showing a SQL query execution result. The query is:

```
SELECT * FROM 'rating';
```

The result shows 5 rows (Query took 0.0012 seconds).

Below the query, there is a table with columns: MOV\_ID, REV\_START.

MOV_ID	REV_START
1001	4
1002	2
1003	5
1004	5

At the bottom, there is a "Query results operations" section with buttons: Print, Copy to clipboard, Export, Display chart, Create view.

At the bottom, there is a "Bookmark this SQL query" section with a label field and a checkbox "Let every user access this bookmark".