

```
89  MOVIE_CAST C
90  ON A.ACT_ID=C.ACT_ID
91  JOIN MOVIES M
92  ON C.MOV_ID=M.MOV_ID
93  WHERE M.MOV_YEAR NOT BETWEEN 2000 AND 2015;
94
95  /*4. Find the title of movies and number of stars for each movie that has at least
96  one rating and find the highest number of stars that movie received. Sort the
97  result by movie title. */
98  • SELECT MOV_TITLE, MAX(REV_STARS) FROM MOVIES
99  INNER JOIN RATING USING (MOV_ID) GROUP
100  BY MOV_TITLE
101  HAVING MAX(REV_STARS)>0
102  ORDER BY MOV_TITLE;
103
104  /*5. Update rating of all movies directed by 'Steven Spielberg' to 5*/
105  • UPDATE RATING
106  SET REV_STARS='5'
107  WHERE MOV_ID = (SELECT MOV_ID FROM MOVIES
108  WHERE DIR_ID = (SELECT DIR_ID FROM DIRECTOR
109  WHERE DIR_NAME ='STEVEN
110  SPIELBERG'));
111  • SELECT * FROM RATING;
```

MySQL Workbench

dbms server

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SQL File 8

Limit to 200 rows

```
34 REV_STARS VARCHAR (25),
35 PRIMARY KEY (MOV_ID),
36 FOREIGN KEY (MOV_ID) REFERENCES MOVIES (MOV_ID));
37 show tables;
38
39 INSERT INTO ACTOR VALUES (301,'ANUSHKA','F');
40 INSERT INTO ACTOR VALUES (302,'PRABHAS','M');
41 INSERT INTO ACTOR VALUES (303,'PUNITH','M');
42 INSERT INTO ACTOR VALUES (304,'JERMY','M');
43 SELECT * FROM ACTOR;
```

Result Grid

	ACT_ID	ACT_NAME	ACT_GENDER
▶	301	ANUSHKA	F
	302	PRABHAS	M
	303	PUNITH	M
	304	JERMY	M
*	NULL	NULL	NULL

ACTOR 13

Apply Revert

Type here to search

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SQL File 8\*

Limit to 200 rows

```
43 • SELECT * FROM ACTOR;
44
45 • INSERT INTO DIRECTOR VALUES (60,'RAJAMOULI', 8751611001);
46 • INSERT INTO DIRECTOR VALUES (61,'HITCHCOCK', 7766138911);
47 • INSERT INTO DIRECTOR VALUES (62,'FARAN', 9986776531);
48 • INSERT INTO DIRECTOR VALUES (63,'STEVEN SPIELBERG', 8989776530);
49 • SELECT * FROM DIRECTOR;
50
51 • INSERT INTO MOVIES VALUES (1001,'BAHUBALI-2', 2017, 'TELUGU', 60);
52 • INSERT INTO MOVIES VALUES (1002,'BAHUBALI-1', 2015, 'TELUGU', 60);
53 • INSERT INTO MOVIES VALUES (1003,'AKASH', 2008, 'KANNADA', 61);
```

Result Grid

	DIR_ID	DIR_NAME	DIR_PHONE
▶	60	RAJAMOULI	8751611001
	61	HITCHCOCK	7766138911
	62	FARAN	9986776531
	63	STEVEN SPIELBERG	8989776530
*	NULL	NULL	NULL

DIRECTOR 14

Apply Revert

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MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

SQL File 8 x

Limit to 200 rows

```
46 • INSERT INTO DIRECTOR VALUES (61,'HITCHCOCK', 7766138911);
47 • INSERT INTO DIRECTOR VALUES (62,'FARAN', 9986776531);
48 • INSERT INTO DIRECTOR VALUES (63,'STEVEN SPIELBERG', 8989776530);
49 • SELECT * FROM DIRECTOR;
50
51 • INSERT INTO MOVIES VALUES (1001,'BAHUBALI-2', 2017, 'TELUGU', 60);
52 • INSERT INTO MOVIES VALUES (1002,'BAHUBALI-1', 2015, 'TELUGU', 60);
53 • INSERT INTO MOVIES VALUES (1003,'AKASH', 2008, 'KANNADA', 61);
54 • INSERT INTO MOVIES VALUES (1004,'WAR HORSE', 2011, 'ENGLISH', 63);
55 • SELECT * FROM MOVIES;
56
```

Result Grid

	MOV_ID	MOV_TITLE	MOV_YEAR	MOV_LANG	DIR_ID
▶	1001	BAHUBALI-2	2017	TELUGU	60
	1002	BAHUBALI-1	2015	TELUGU	60
	1003	AKASH	2008	KANNADA	61
	1004	WAR HORSE	2011	ENGLISH	63
*	NULL	NULL	NULL	NULL	NULL

MOVIES 15 x

Apply Revert

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MySQL Workbench

dbms server

File Edit View Query Database Server Tools Scripting Help

SQL File 8\*

Limit to 200 rows

```
58 • INSERT INTO MOVIE_CAST VALUES (301, 1001, 'HEROINE');
59 • INSERT INTO MOVIE_CAST VALUES (303, 1003, 'HERO');
60 • INSERT INTO MOVIE_CAST VALUES (303, 1002, 'GUEST');
61 • INSERT INTO MOVIE_CAST VALUES (304, 1004, 'HERO');
62 • SELECT * FROM MOVIE_CAST;
63
64 • INSERT INTO RATING VALUES (1001, '4');
65 • INSERT INTO RATING VALUES (1002, '2');
66 • INSERT INTO RATING VALUES (1003, '5');
67 • INSERT INTO RATING VALUES (1004, '4');
68 • SELECT * FROM RATING;
```

Result Grid

	ACT_ID	MOV_ID	ROLE
▶	301	1001	HEROINE
	301	1002	HEROINE
	303	1002	GUEST
	303	1003	HERO
	304	1004	HERO
*	NULL	NULL	NULL

MOVIE\_CAST 16

Apply Revert



	MOV TITLE
--	-----------

114

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

SQL File 8

Limit to 200 rows

```
73 WHERE DIR_ID IN (SELECT DIR_ID
74 FROM DIRECTOR
75 WHERE DIR_NAME = 'HITCHCOCK');
76
77 /*2. Find the movie names where one or more actors acted in two or more movies.*/
78 SELECT MOV_TITLE
79 FROM MOVIES M, MOVIE_CAST MV
80 WHERE M.MOV_ID=MV.MOV_ID AND ACT_ID IN (SELECT ACT_ID
81 FROM MOVIE_CAST GROUP BY ACT_ID HAVING
82 COUNT(ACT_ID)>1)
83 GROUP BY MOV_TITLE HAVING COUNT(MOV_TITLE)>1;
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

MOV_TITLE
BAHUBALI-1

Result 19

Read Only

Type here to search

19:11 06-07-2021

MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

SQL File 8 x

Limit to 200 rows

```
82 COUNT(ACT_ID)>1)
83 GROUP BY MOV_TITLE HAVING COUNT(MOV_TITLE)>1;
84
85 /*3. List all actors who acted in a movie before 2000 and also in a movie after
86 2015 (use JOIN operation).*/
87 • SELECT ACT_NAME, MOV_TITLE, MOV_YEAR
88 FROM ACTOR A JOIN
89 MOVIE_CAST C
90 ON A.ACT_ID=C.ACT_ID
91 JOIN MOVIES M
92 ON C.MOV_ID=M.MOV_ID
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	ACT_NAME	MOV_TITLE	MOV_YEAR
▶	ANUSHKA	BAHUBALI-2	2017

Result 20 x Read Only

Type here to search

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^
v

1

MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

SQL File 8 x

Limit to 200 rows

```
102 ORDER BY MOV_TITLE;
103
104 /*5. Update rating of all movies directed by 'Steven Spielberg' to 5*/
105 • UPDATE RATING
106 SET REV_STARS='5'
107 WHERE MOV_ID = (SELECT MOV_ID FROM MOVIES
108 WHERE DIR_ID = (SELECT DIR_ID FROM DIRECTOR
109 WHERE DIR_NAME = 'STEVEN
110 SPIELBERG'));
111 • SELECT * FROM RATING;
```

Result Grid

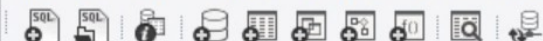
	MOV_ID	REV_STARS
▶	1001	4
	1002	2
	1003	5
	1004	4
*	NULL	NULL

RATING 22 x

Apply Revert

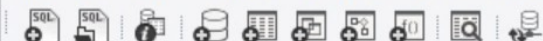
Type here to search

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```
1 • create database movie;
2 use movie;
3 CREATE TABLE ACTOR (
4   ACT_ID INT,
5   ACT_NAME VARCHAR (20),
6   ACT_GENDER CHAR (1),
7   PRIMARY KEY (ACT_ID));
8
9 • CREATE TABLE DIRECTOR (
10  DIR_ID INT,
11  DIR_NAME VARCHAR (20),
12  DIR_PHONE real,
13  PRIMARY KEY (DIR_ID));
14
15 • CREATE TABLE MOVIES (
16  MOV_ID INT,
17  MOV_TITLE VARCHAR (25),
18  MOV_YEAR INT,
19  MOV_LANG VARCHAR (12),
20  DIR_ID INT,
21  PRIMARY KEY (MOV_ID),
22  FOREIGN KEY (DIR_ID) REFERENCES DIRECTOR (DIR_ID));
23
24 • CREATE TABLE MOVIE_CAST (
```





Limit to 200 rows

```
22 FOREIGN KEY (DIR_ID) REFERENCES DIRECTOR (DIR_ID));
23
24 • CREATE TABLE MOVIE_CAST (
25     ACT_ID INT,
26     MOV_ID INT,
27     ROLE VARCHAR(10),
28     PRIMARY KEY (ACT_ID, MOV_ID),
29     FOREIGN KEY (ACT_ID) REFERENCES ACTOR (ACT_ID),
30     FOREIGN KEY (MOV_ID) REFERENCES MOVIES (MOV_ID));
31
32 • CREATE TABLE RATING (
33     MOV_ID INT,
34     REV_STARS VARCHAR (25),
35     PRIMARY KEY (MOV_ID),
36     FOREIGN KEY (MOV_ID) REFERENCES MOVIES (MOV_ID));
37 show tables;
38
39 INSERT INTO ACTOR VALUES (301,'ANUSHKA','F');
40 INSERT INTO ACTOR VALUES (302,'PRABHAS','M');
41 • INSERT INTO ACTOR VALUES (303,'PUNITH','M');
42 • INSERT INTO ACTOR VALUES (304,'JERMY','M');
43 • SELECT * FROM ACTOR;
44
45 • INSERT INTO DIRECTOR VALUES (60,'RAJAMOULI', 8751611001);
```



28°C



ENG

19:10

06-07-2021





```
43 • SELECT * FROM ACTOR;
44
45 • INSERT INTO DIRECTOR VALUES (60,'RAJAMOULI', 8751611001);
46 • INSERT INTO DIRECTOR VALUES (61,'HITCHCOCK', 7766138911);
47 • INSERT INTO DIRECTOR VALUES (62,'FARAN', 9986776531);
48 • INSERT INTO DIRECTOR VALUES (63,'STEVEN SPIELBERG', 8989776530);
49 • SELECT * FROM DIRECTOR;
50
51 • INSERT INTO MOVIES VALUES (1001,'BAHUBALI-2', 2017, 'TELUGU', 60);
52 • INSERT INTO MOVIES VALUES (1002,'BAHUBALI-1', 2015, 'TELUGU', 60);
53 • INSERT INTO MOVIES VALUES (1003,'AKASH', 2008, 'KANNADA', 61);
54 • INSERT INTO MOVIES VALUES (1004,'WAR HORSE', 2011, 'ENGLISH', 63);
55 • SELECT * FROM MOVIES;
56
57 • INSERT INTO MOVIE_CAST VALUES (301, 1002, 'HEROINE');
58 • INSERT INTO MOVIE_CAST VALUES (301, 1001, 'HEROINE');
59 • INSERT INTO MOVIE_CAST VALUES (303, 1003, 'HERO');
60 • INSERT INTO MOVIE_CAST VALUES (303, 1002, 'GUEST');
61 • INSERT INTO MOVIE_CAST VALUES (304, 1004, 'HERO');
62 • SELECT * FROM MOVIE_CAST;
63
64 • INSERT INTO RATING VALUES (1001,'4');
65 • INSERT INTO RATING VALUES (1002,'2');
66 • INSERT INTO RATING VALUES (1003, '5');
```



Limit to 200 rows

```
64 • INSERT INTO RATING VALUES (1001, '4');
65 • INSERT INTO RATING VALUES (1002, '2');
66 • INSERT INTO RATING VALUES (1003, '5');
67 • INSERT INTO RATING VALUES (1004, '4');
68 • SELECT * FROM RATING;
69
70 /*1. List the titles of all movies directed by'Hitchcock'.*/
71 • SELECT MOV_TITLE
72   FROM MOVIES
73  WHERE DIR_ID IN (SELECT DIR_ID
74                  FROM DIRECTOR
75                  WHERE DIR_NAME = 'HITCHCOCK');
76
77 /*2. Find the movie names where one or more actors acted in two or more movies.*/
78 • SELECT MOV_TITLE
79   FROM MOVIES M, MOVIE_CAST MV
80  WHERE M.MOV_ID=MV.MOV_ID AND ACT_ID IN (SELECT ACT_ID
81                                          FROM MOVIE_CAST GROUP BY ACT_ID HAVING
82                                          COUNT(ACT_ID)>1)
83  GROUP BY MOV_TITLE HAVING COUNT(MOV_TITLE)>1;
84
85 /*3. List all actors who acted in a movie before 2000 and also in a movie after
86    2015 (use JOIN operation).*/
87 • SELECT ACT_NAME, MOV_TITLE, MOV_YEAR
```