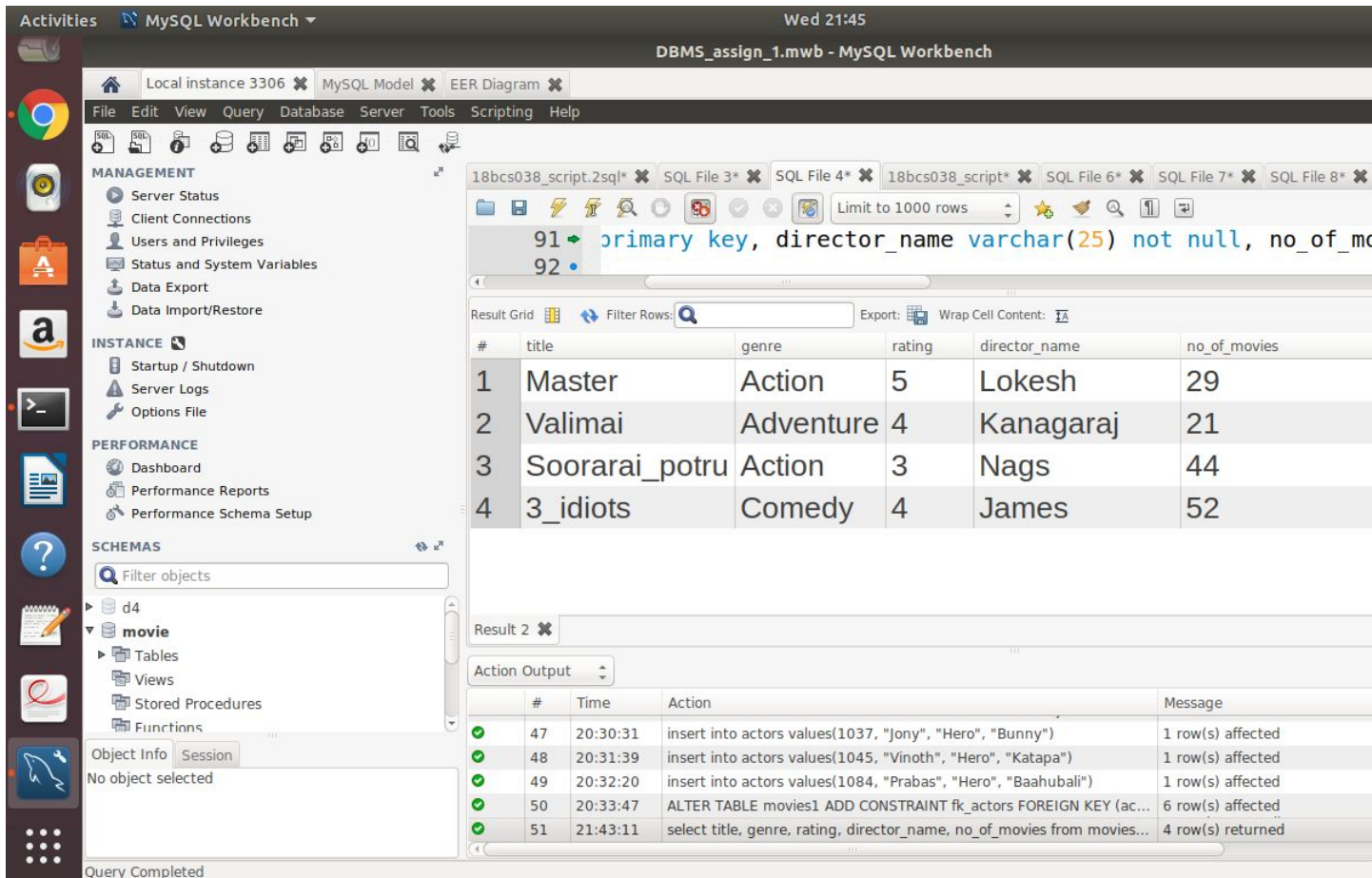


## 1. Inner Join 3 queries

Ans.

A. select title, genre, rating, director\_name,  
no\_of\_movies from movies1 inner join director  
on movies1.director\_id=director.director\_id  
where no\_of\_flops<=8;



The screenshot shows the MySQL Workbench interface. The left sidebar contains navigation panels for Management, Instance, Performance, and Schemas. The main window displays a query result grid with 4 rows and 6 columns. Below the grid, the Action Output panel shows the execution of the query, including insert statements and the final select query.

#	title	genre	rating	director_name	no_of_movies
1	Master	Action	5	Lokesh	29
2	Valimai	Adventure	4	Kanagaraj	21
3	Soorarai_potru	Action	3	Nags	44
4	3_idiots	Comedy	4	James	52

#	Time	Action	Message
47	20:30:31	insert into actors values(1037, "Jony", "Hero", "Bunny")	1 row(s) affected
48	20:31:39	insert into actors values(1045, "Vinoth", "Hero", "Katapa")	1 row(s) affected
49	20:32:20	insert into actors values(1084, "Prabas", "Hero", "Baahubali")	1 row(s) affected
50	20:33:47	ALTER TABLE movies1 ADD CONSTRAINT fk_actors FOREIGN KEY (ac...	6 row(s) affected
51	21:43:11	select title, genre, rating, director_name, no_of_movies from movies...	4 row(s) returned

B. select  
title,genre,producer\_name,no\_of\_films,rating  
from movies1 inner join producer on  
movies1.producer\_id=producer.producer\_id

where producer.budget in(select  
max(producer.budget)from producer);

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'MANAGEMENT' section with options like Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, and Data Import/Restore. Below this is the 'INSTANCE' section with Startup / Shutdown, Server Logs, and Options File. The 'PERFORMANCE' section includes Dashboard, Performance Reports, and Performance Schema Setup. The 'SCHEMAS' section has a search bar and a tree view showing 'd4' and 'movie' databases. The 'Object Info' section at the bottom indicates 'No object selected'.

The main window displays a SQL query in the editor:

```
111 • insert into actors values(1045, "Vinoth", "Hero", "Katapa")
112 • insert into actors values(1084, "Prabas", "Hero", "Baahuba")
113 • ALTER TABLE movies1
114 • ADD CONSTRAINT fk_actors
```

Below the editor, the 'Result Grid' shows a single row of data:

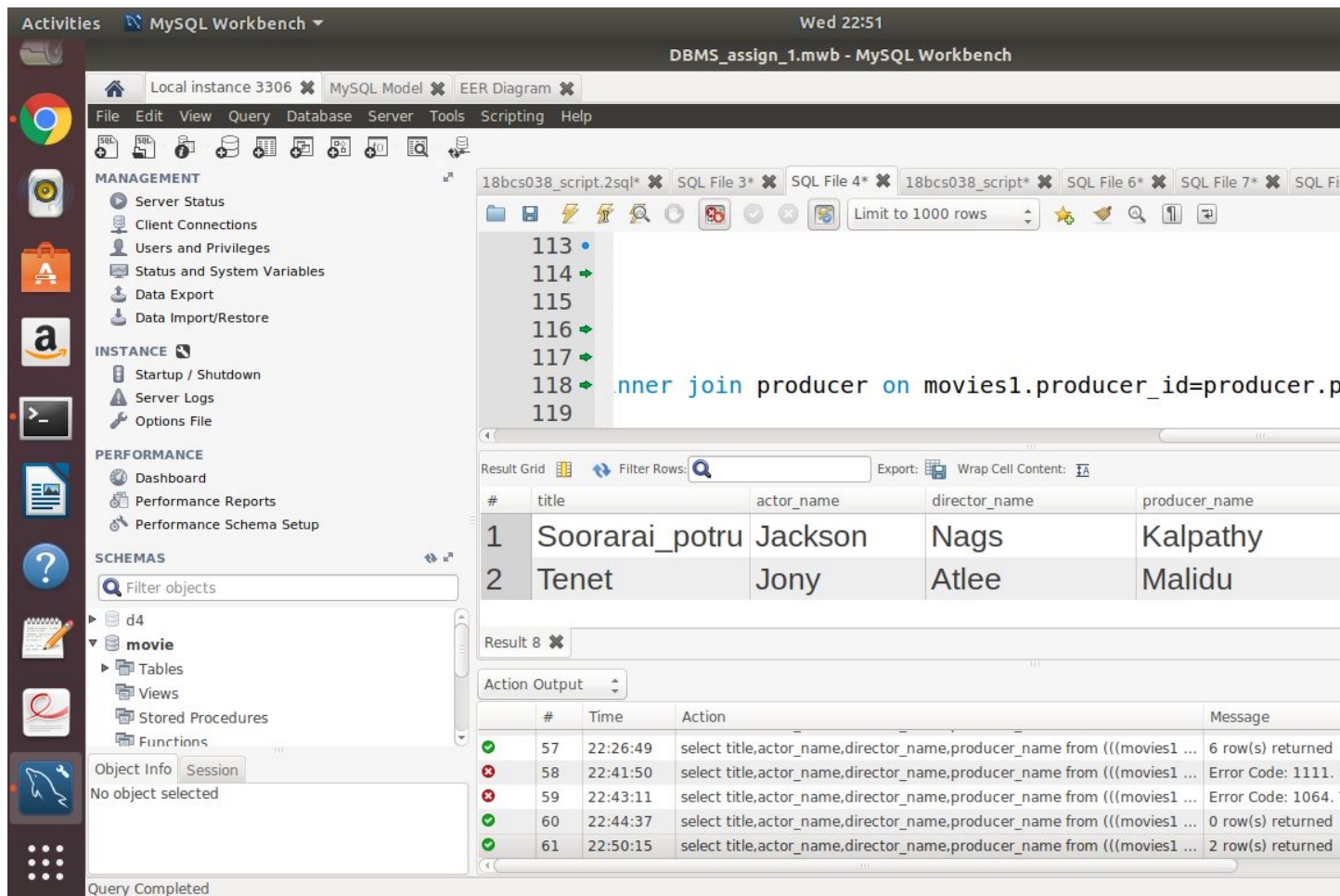
#	title	genre	producer_name	no_of_films	rating
1	Soorarai_potru	Action	Kalpathy	67	3

At the bottom, the 'Action Output' section shows a log of queries and their results:

#	Time	Action	Message
51	21:43:11	select title, genre, rating, director_name, no_of_movies from movies1 inner...	4 row(s) returned
52	21:57:05	select title,genre,producer_name,no_of_films,rating from movies1 inner...	Error Code: 1111. Invalid use of...
53	21:58:45	select title,genre,producer_name,no_of_films,rating from movies1 inner...	Error Code: 1111. Invalid use of...
54	21:59:05	select title,genre,producer_name,no_of_films,rating from movies1 inner...	6 row(s) returned
55	22:02:13	select title,genre,producer_name,no_of_films,rating from movies1 inner...	1 row(s) returned

The status bar at the bottom indicates 'Query Completed'.

C. select  
title,actor\_name,director\_name,producer\_name from  
(((movies1 inner join actors on  
movies1.actor\_id=actors.actor\_id and  
actors.actor\_name like 'J%') inner join director on  
movies1.director\_id=director.director\_id) inner join  
producer on  
movies1.producer\_id=producer.producer\_id);



## 2. Left Outer Join 3 queries

Ans.

A. select actor\_name,type\_of\_role,title,genre from actors left outer join movies1 on actors.actor\_id=movies1.actor\_id order by actor\_name;

Activities MySQL Workbench Thu 18:16 DBMS\_assign\_1.mwb - MySQL Workbench

Local instance 3306 MySQL Model EER Diagram

File Edit View Query Database Server Tools Scripting Help

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

- d4
- movie
  - Tables
  - Views
  - Stored Procedures
  - Functions

Object Info Session

No object selected

Query Completed

18bcs038\_script.2sql\* SQL File 3\* SQL File 4\* 18bcs038\_script\* SQL File 6\* SQL File 7\* SQL File 8\*

Limit to 1000 rows

Export: Wrap Cell Content: 12

#	actor_name	type_of_role	title	genre
1	Alia	Heroine	NULL	NULL
2	Jackson	Comedian	Soorarai_potru	Action
3	Jony	Hero	Tenet	Action
4	Prabas	Hero	Thupakki	Thriller
5	Sahana	Heroine	Valimai	Adventure
6	Vijay	Hero	Master	Action
7	Vinay	Hero	NULL	NULL
8	Vinoth	Hero	3_idiots	Comedy

Result 4

Action Output

#	Time	Action	Message
5	18:10:36	select actor_name,type_of_role,title,genre from actors left oute...	0 row(s) returned
6	18:11:44	select actor_name,type_of_role,title,genre from actors left oute...	8 row(s) returned
7	18:15:36	select actor_name,type_of_role,title,genre from actors left oute...	Error Code: 1054. Unknown
8	18:16:11	select actor_name,type_of_role,title,genre from actors left oute...	8 row(s) returned

B. select title,producer\_name,director\_name as movie\_info from((movies1 left outer join producer on movies1.producer\_id=producer.producer\_id and producer.budget>70000)left outer join director on movies1.director\_id=director.director\_id and director.no\_of\_movies>20);



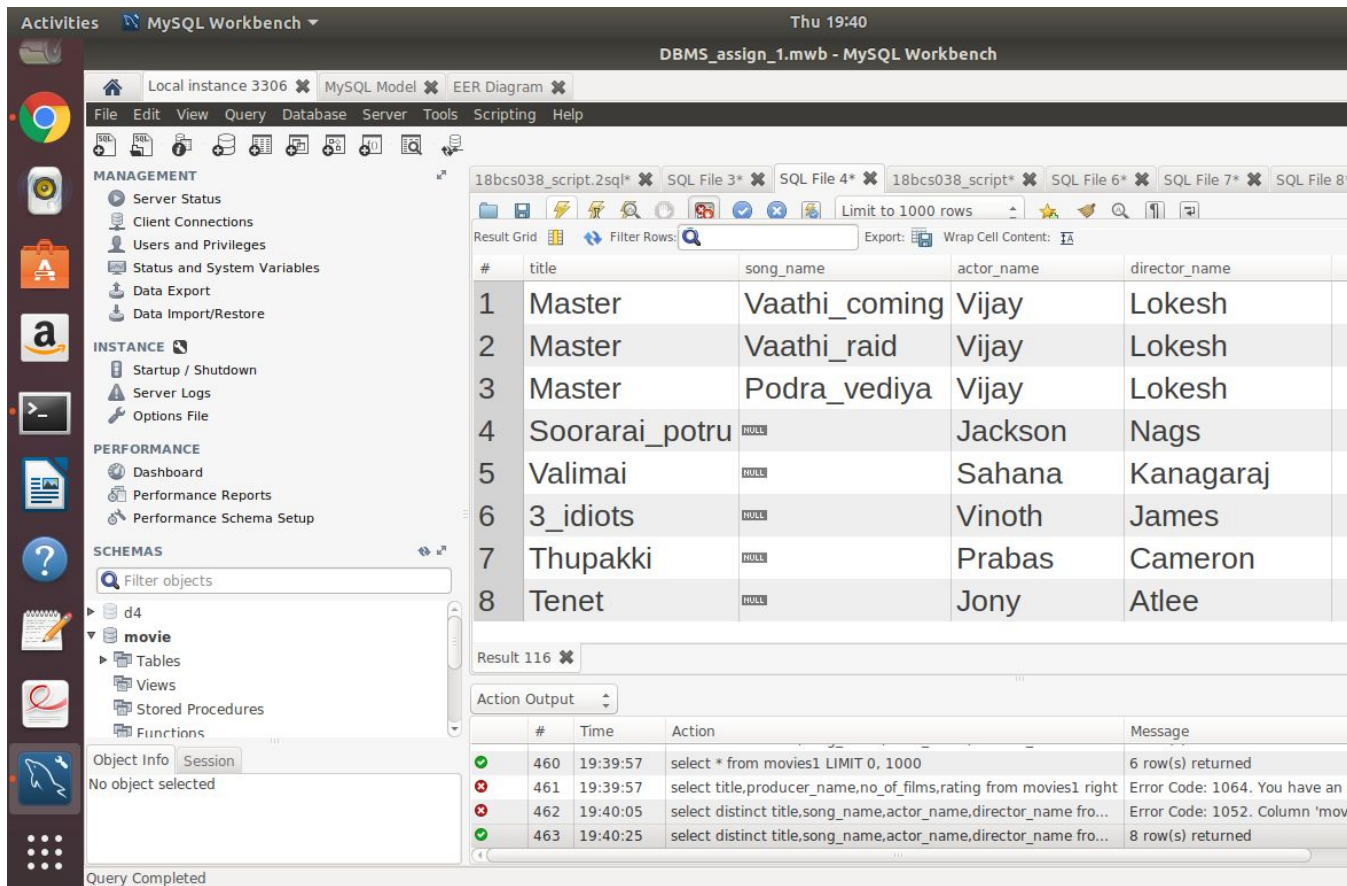
The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'SCHEMAS' panel with a search bar and a list of objects. The main window displays a query execution result in a table format. The query is a SELECT statement with columns: title, genre, rating, director\_name, no\_of\_movies, producer\_name, and movie\_info. The result shows 6 rows of data. Below the table, the 'Action Output' panel shows the execution details of the query, including the time taken and the number of rows returned.

#	title	producer_name	movie_info
1	Master	NULL	Lokesh
2	Soorai potru	Kalpathy	Nags
3	Valimai	Archana	Kanagaraj
4	3 Idiots	NULL	James
5	Thupakki	Supreeth	Cameron
6	Tenet	NULL	Atlee

Result 31

#	Time	Action	Message
115	18:57:20	select actor_name,type_of_role,title,genre from actors left outer...	Error Code: 1054. Unknown column
116	18:57:20	select concat(title," ",producer_name," ",director_name) as m...	6 row(s) returned
117	18:58:47	select concat(title," ",producer_name," ",director_name) as m...	6 row(s) returned
118	18:59:34	select title,producer_name,director_name as movie_info from (...	6 row(s) returned

C. select distinct  
 title,song\_name,actor\_name,director\_name  
 from(((movies1 left outer join songs on  
 movies1.movie\_id=songs.movie\_id and  
 songs.movie\_id=123)left outer join actors on  
 movies1.actor\_id=actors.actor\_id)left outer join  
 director on movies1.director\_id=director.director\_id);



### 3. Left Outer Join 3 queries

Ans.

- A. select title,producer\_name,no\_of\_films,rating from movies1 right outer join producer on movies1.producer\_id=producer.producer\_id and producer.no\_of\_films between 20 and 50;

Activities MySQL Workbench Thu 19:55 DBMS\_assign\_1.mwb - MySQL Workbench

Local instance 3306 MySQL Model EER Diagram

File Edit View Query Database Server Tools Scripting Help

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

- d4
- movie
  - Tables
  - Views
  - Stored Procedures
  - Functions

Object Info Session

No object selected

Query Completed

18bcs038\_script.2sql\* SQL File 3\* SQL File 4\* 18bcs038\_script\* SQL File 6\* SQL File 7\* SQL File 8\*

Result Grid Filter Rows: Export: Wrap Cell Content: 12

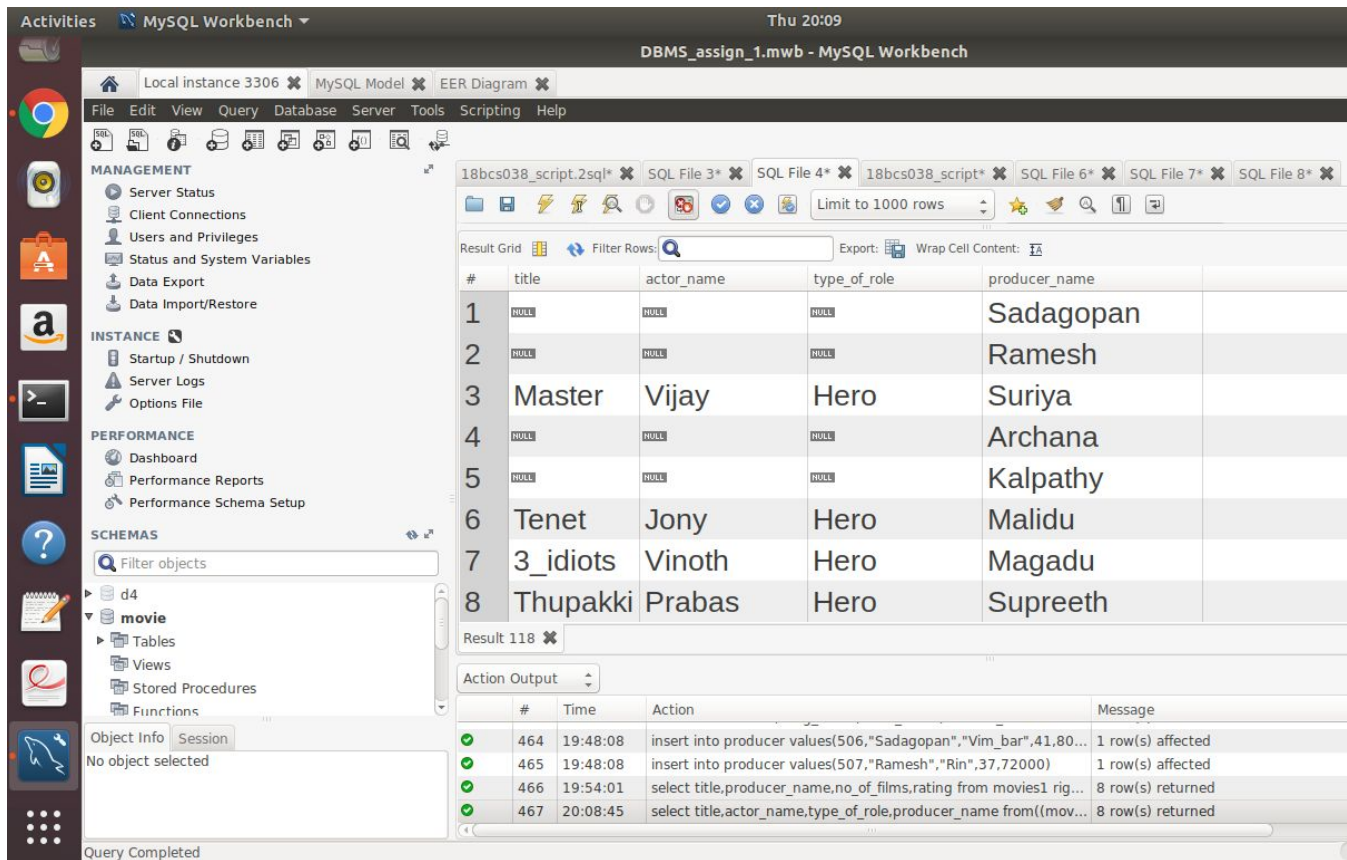
#	title	producer_name	no_of_films	rating
1	NULL	Sadagopan	41	NULL
2	NULL	Ramesh	37	NULL
3	Master	Suriya	23	5
4	Valimai	Archana	45	4
5	NULL	Kalpathy	67	NULL
6	NULL	Malidu	54	NULL
7	3 Idiots	Magadu	37	4
8	NULL	Supreeth	78	NULL

Result 117

Action Output

#	Time	Action	Message
✓ 463	19:40:25	select distinct title,song_name,actor_name,director_name fro...	8 row(s) returned
✓ 464	19:48:08	insert into producer values(506,"Sadagopan","Vim_bar",41,80...	1 row(s) affected
✓ 465	19:48:08	insert into producer values(507,"Ramesh","Rin",37,72000)	1 row(s) affected
✓ 466	19:54:01	select title,producer_name,no_of_films,rating from movies1 rig...	8 row(s) returned

B. select title,actor\_name,type\_of\_role,producer\_name  
 from((movies1 right outer join actors on  
 movies1.actor\_id=actors.actor\_id and  
 actors.type\_of\_role = "Hero")right outer join producer  
 on movies1.producer\_id=producer.producer\_id);



### C. Select

title,song\_name,actor\_name,director\_name,producer\_name from((((movies1 right outer join songs on movies1.movie\_id=songs.movie\_id)right outer join actors on movies1.actor\_id=actors.actor\_id) right outer join director on movies1.director\_id=director.director\_id)right outer join producer on movies1.producer\_id=producer.producer\_id)where movies1.genre="Action" order by movies1.title desc;



ActivitiesMySQL WorkbenchThu 20:48DBMS\_assign\_1.mwb - MySQL Workbench

Local instance 3306MySQL ModelEER Diagram

FileEditViewQueryDatabaseServerToolsScriptingHelp

18bcs038\_script.2sql\*SQL File 3\*SQL File 4\*18bcs038\_script\*SQL File 6\*SQL File 7\*SQL File 8\*

Limit to 1000 rows

124 select actor\_name,type\_of\_role,title,genre from actors left outer join movie\_info on actors.movie\_id=movie\_info.movie\_id

125 select title.producer\_name,director\_name as movie info from((movie\_info join actors on movie\_info.movie\_id=actors.movie\_id) join movie\_info on movie\_info.movie\_id=actors.movie\_id)

MANAGEMENT

Server StatusClient ConnectionsUsers and PrivilegesStatus and System VariablesData ExportData Import/Restore

INSTANCE

Startup / ShutdownServer LogsOptions File

PERFORMANCE

DashboardPerformance ReportsPerformance Schema Setup

SCHEMAS

Filter objects

d4movieTablesViewsStored ProceduresFunctions

Object InfoSession

No object selected

Result Grid

Filter Rows

Export:Wrap Cell Content:1A

#	title	song_name	actor_name	director_name	producer_name
1	Tenet	inceptor	Jony	Atlee	Malidu
2	Soorarai_potru	Veyyon_silli	Jackson	Nags	Kalpathy
3	Master	Vaathi_coming	Vijay	Lokesh	Suriya
4	Master	Podra_vediya	Vijay	Lokesh	Suriya
5	Master	Vaathi RAID	Vijay	Lokesh	Suriya

Result 119

Action Output

#	Time	Action	Message	Duration / Fe
470	20:39:38	select distinct title,son...	Error Code: 1064. You have an error in your SQL syntax; check the manual...	0.00030 sec
471	20:41:59	select distinct title,son...	Error Code: 1054. Unknown column 'actor_name_director_name' in 'field list'	0.00047 sec
472	20:42:41	select distinct title,son...	Error Code: 1054. Unknown column 'actors.movie_id' in 'on clause'	0.00041 sec
473	20:43:24	select distinct title,son...	5 row(s) returned	0.00082 sec

Query Completed