

1. Show how to Create and Drop Database

A) Create Database: create database movies1;

OUTPUT:

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'Administration' and 'Schemas' tabs. The 'Administration' tab is active, showing the 'MANAGEMENT' section with options like 'Server Status', 'Client Connections', 'Users and Privileges', 'Status and System Variables', 'Data Export', and 'Data Import/Restore'. The 'INSTANCE' section shows 'Startup / Shutdown', 'Server Logs', and 'Options File'. The 'PERFORMANCE' section shows 'Dashboard', 'Performance Reports', and 'Performance Schema Setup'. The main editor window shows a SQL script with the following queries:

```
52 (select direction.film_id from direction where numofflops=
53 (select min(numofflops) from direction));
54
55
56
57
58
59
60
61 • create database movies1;
62
63
64
65
```

The 'Action Output' tab at the bottom shows the results of the queries:

#	Time	Action	Message	Duration / Fetch
15	11:54:28	select song_name,singer from songs where songs.film_id...	1 row(s) returned	0.0012 sec / 0.0000...
16	12:02:27	create database movies1	1 row(s) affected	0.00078 sec
17	12:02:56	drop database movies1	0 row(s) affected	0.039 sec
18	12:03:32	create database movies1	1 row(s) affected	0.00074 sec

Query Completed

DROP DATABASE: drop database movies1;

OUTPUT:

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'Administration' and 'Schemas' tabs. The 'Administration' tab is active, showing the 'MANAGEMENT' section with options like 'Server Status', 'Client Connections', 'Users and Privileges', 'Status and System Variables', 'Data Export', and 'Data Import/Restore'. The 'INSTANCE' section shows 'Startup / Shutdown', 'Server Logs', and 'Options File'. The 'PERFORMANCE' section shows 'Dashboard', 'Performance Reports', and 'Performance Schema Setup'. The main editor window shows a SQL script with the following queries:

```
53 (select min(numofflops) from direction));
54
55
56
57
58
59
60
61 • create database movies1;
62 • drop database movies1;
63
64
65
66
```

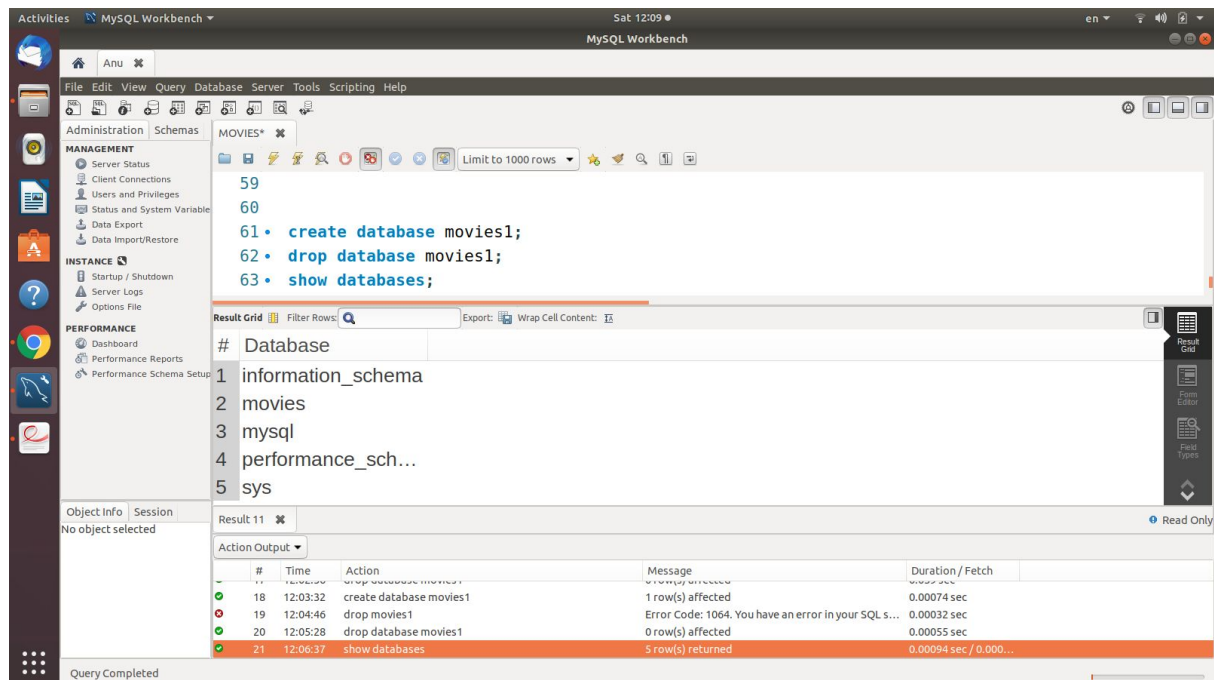
The 'Action Output' tab at the bottom shows the results of the queries:

#	Time	Action	Message	Duration / Fetch
17	12:02:56	drop database movies1	0 row(s) affected	0.039 sec
18	12:03:32	create database movies1	1 row(s) affected	0.00074 sec
19	12:04:46	drop movies1	Error Code: 1064. You have an error in your SQL s...	0.00032 sec
20	12:05:28	drop database movies1	0 row(s) affected	0.00055 sec

Query Completed

2. Show all the Databases are in the system

A) show databases;



3. Create Table for your Database

QUERY:use movies1;

```
create table movie(  
  film_id int primary key,  
  title varchar(45),  
  date1 date,  
  genre varchar(45),  
  rating float);
```

```
create table songs(film_id int,  
  song_name varchar(50),  
  singer varchar(45),  
  composer varchar(50),  
  foreign key(film_id) references movie(film_id));
```

Activities MySQL Workbench Sat 12:12 MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Administration Schemas MOVIES*

MANAGEMENT

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

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Object Info Session

No object selected

```

60
61 • create database movies1;
62 • drop database movies1;
63 • show databases;
64 • create database movies1;
65 • use movies1;
66 • create table movie(
67     film_id int primary key,
68     title varchar(45),
69     date1 date,
70     genre varchar(45),
71     rating float);
72
73
74

```

Action Output

#	Time	Action	Message	Duration / Fetch
23	12:12:05	use movies	0 row(s) affected	0.00044 sec
24	12:12:10	create table movie(film_id int primary key, title varchar(...	Error Code: 1050. Table 'movie' already exists	0.00068 sec
25	12:12:21	use movies1	0 row(s) affected	0.00046 sec
26	12:12:36	create table movie(film_id int primary key, title varchar(...	0 row(s) affected	1.412 sec

Query Completed

Activities MySQL Workbench Sat 12:14 MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Administration Schemas MOVIES*

MANAGEMENT

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

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Object Info Session

No object selected

```

65 • use movies1;
66 • create table movie(
67     film_id int primary key,
68     title varchar(45),
69     date1 date,
70     genre varchar(45),
71     rating float);
72
73 • create table songs(film_id int,
74     song_name varchar(50),
75     singer varchar(45),
76     composer varchar(50),
77     foreign key(film_id) references movie(film_id));
78
79

```

Action Output

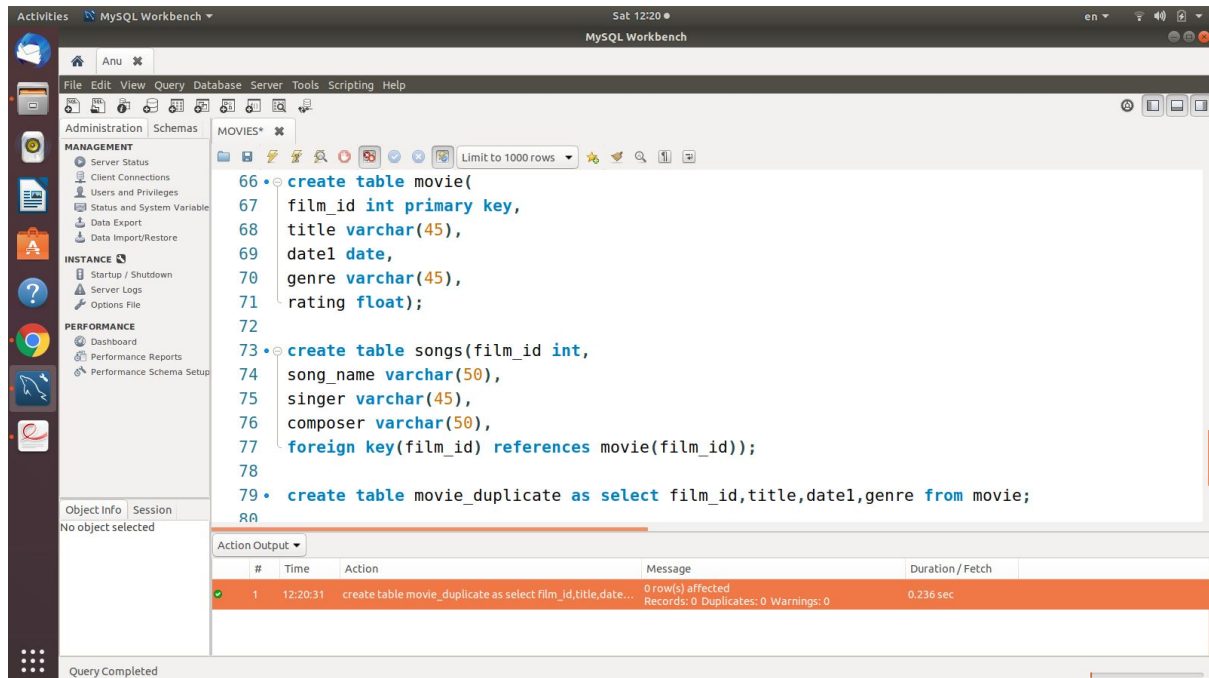
#	Time	Action	Message	Duration / Fetch
23	12:12:05	use movies	0 row(s) affected	0.00044 sec
24	12:12:10	create table movie(film_id int primary key, title varchar(...	Error Code: 1050. Table 'movie' already exists	0.00068 sec
25	12:12:21	use movies1	0 row(s) affected	0.00046 sec
26	12:12:36	create table movie(film_id int primary key, title varchar(...	0 row(s) affected	1.412 sec

Query Completed

4. Show how select can be used for Creating table

QUERY: create table movie_duplicate as select movie_id,title,release_date,genre from movie;

OUTPUT:

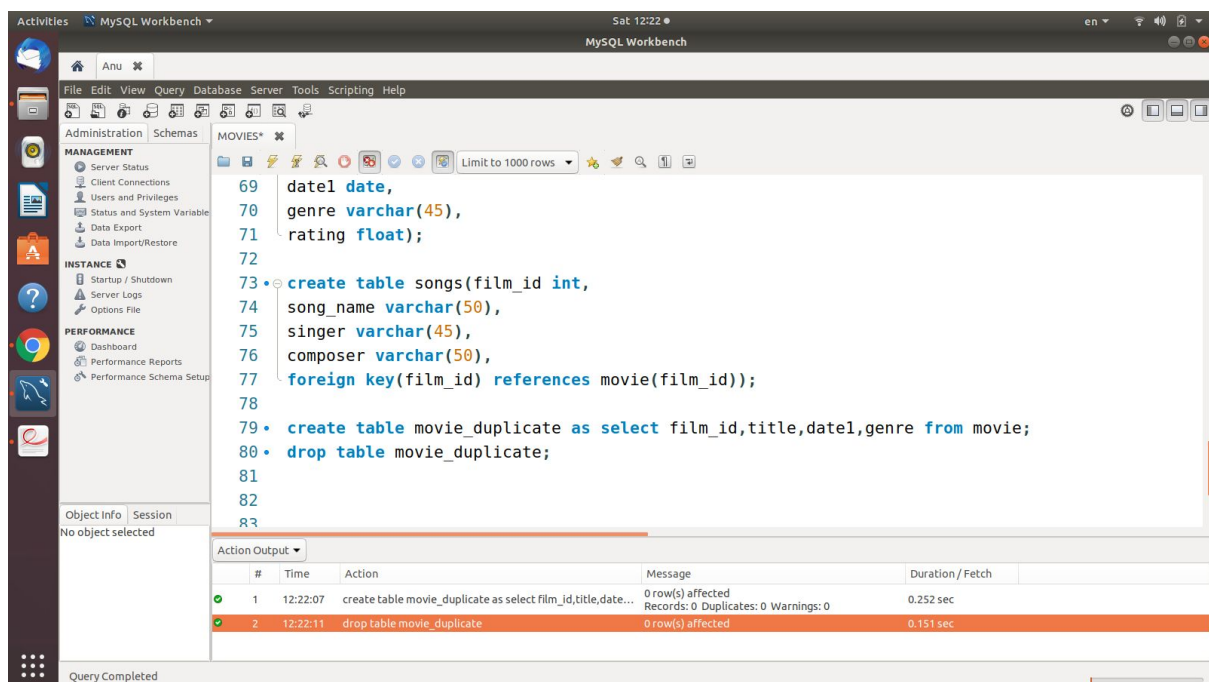


5. Drop table

QUERY:

drop table movie_duplicate;

OUTPUT:



6. Show how to check the schema of the tables

QUERY: desc movie;

OUTPUT:

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL commands:

```
78  
79 • create table movie_duplicate as select film_id,title,date1,genre from movie;  
80 • drop table movie_duplicate;  
81 • desc movie;  
82
```

The Result Grid displays the schema of the 'movie' table:

#	Field	Type	Null	Key	Default	Extra
1	film_id	int(11)	NO	PRI		
2	title	varchar(45)	YES			
3	date1	date	YES			
4	genre	varchar(45)	YES			
5	rating	float	YES			

The Action Output pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	12:22:07	create table movie_duplicate as select film_id,title,date...	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.252 sec
2	12:22:11	drop table movie_duplicate	0 row(s) affected	0.151 sec
3	12:23:27	desc movie	5 row(s) returned	0.0012 sec / 0.0000...

Query Completed

7. Show all the tables from the database

QUERY: show tables;

OUTPUT:

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL commands:

```
79 • create table movie_duplicate as select film_id,title,date1,genre from movie;  
80 • drop table movie_duplicate;  
81 • desc movie;  
82 • show tables;  
83
```

The Result Grid displays the list of tables in the database:

#	Tables_in_movies1
1	movie
2	songs

The Action Output pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	12:22:07	create table movie_duplicate as select film_id,title,date...	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.252 sec
2	12:22:11	drop table movie_duplicate	0 row(s) affected	0.151 sec
3	12:23:27	desc movie	5 row(s) returned	0.0012 sec / 0.0000...
4	12:24:22	show tables	2 row(s) returned	0.00032 sec / 0.0000...

Query Completed

8. Insert 5 to 10 rows in each of the tables of your Database
QUERY:

```
insert into movie values(1,'pushpa','2021-07-21','action',8);
```

```
insert into movie values(2,'acharya','2021-05-10','drama',9);
```

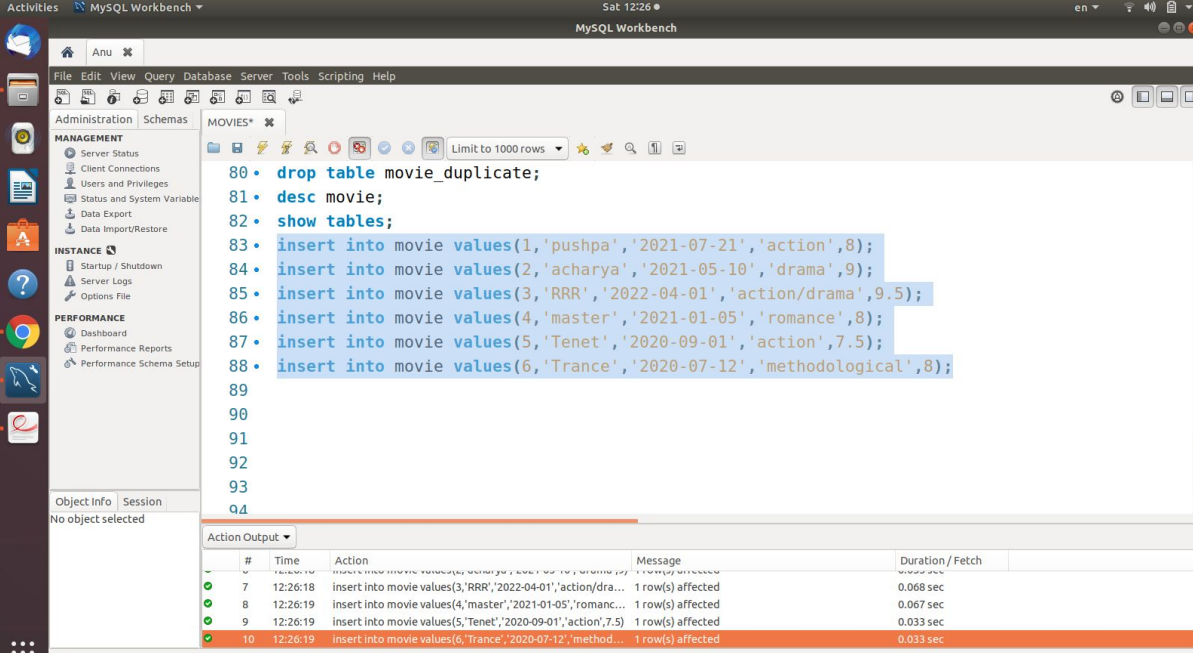
```
insert into movie values(3,'RRR','2022-04-01','action/drama',9.5);
```

```
insert into movie values(4,'master','2021-01-05','romance',8);
```

```
insert into movie values(5,'Tenet','2020-09-01','action',7.5);
```

```
insert into movie values(6,'Trance','2020-07-12','methodological',8);
```

OUTPUT:



The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```
80. drop table movie_duplicate;
81. desc movie;
82. show tables;
83. insert into movie values(1,'pushpa','2021-07-21','action',8);
84. insert into movie values(2,'acharya','2021-05-10','drama',9);
85. insert into movie values(3,'RRR','2022-04-01','action/drama',9.5);
86. insert into movie values(4,'master','2021-01-05','romance',8);
87. insert into movie values(5,'Tenet','2020-09-01','action',7.5);
88. insert into movie values(6,'Trance','2020-07-12','methodological',8);
89.
90.
91.
92.
93.
94.
```

The Action Output pane shows the results of the insert queries:

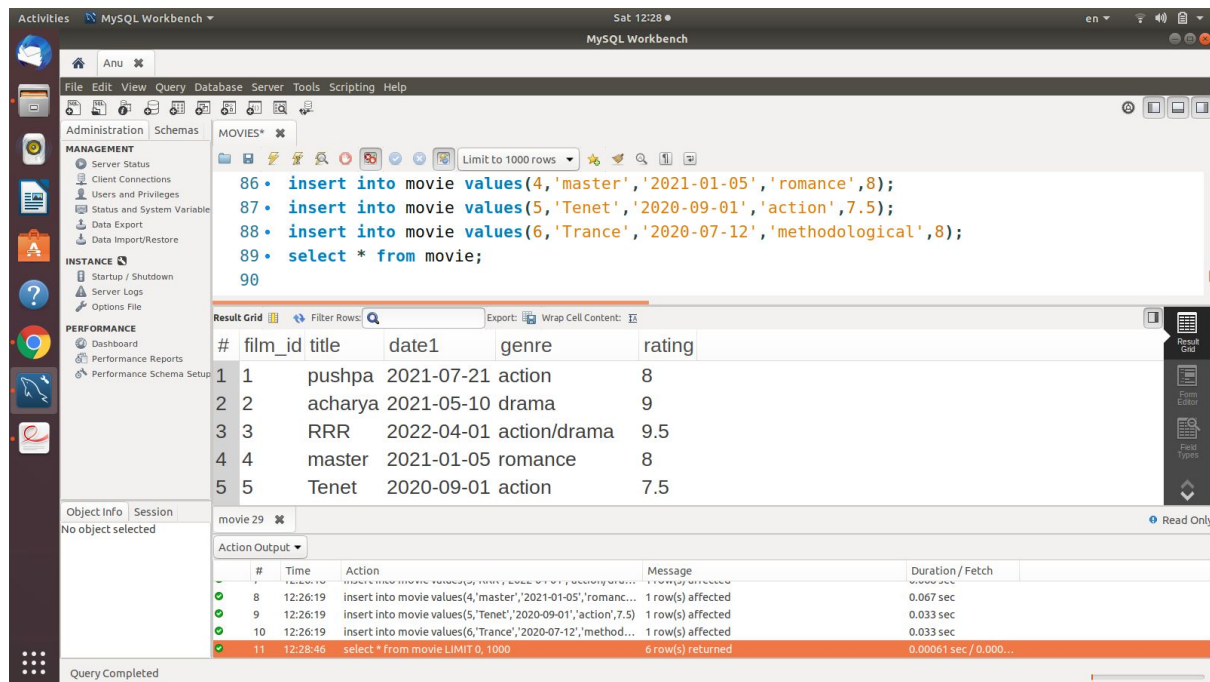
#	Time	Action	Message	Duration / Fetch
7	12:26:18	Insert into movie values(3,'RRR','2022-04-01','action/dra...	1 row(s) affected	0.068 sec
8	12:26:19	Insert into movie values(4,'master','2021-01-05','romanc...	1 row(s) affected	0.067 sec
9	12:26:19	Insert into movie values(5,'Tenet','2020-09-01','action',7.5)	1 row(s) affected	0.033 sec
10	12:26:19	Insert into movie values(6,'Trance','2020-07-12','method...	1 row(s) affected	0.033 sec

Query Completed

9. Show usage of Simple Select Statement

QUERY:select * from movie;

OUTPUT:

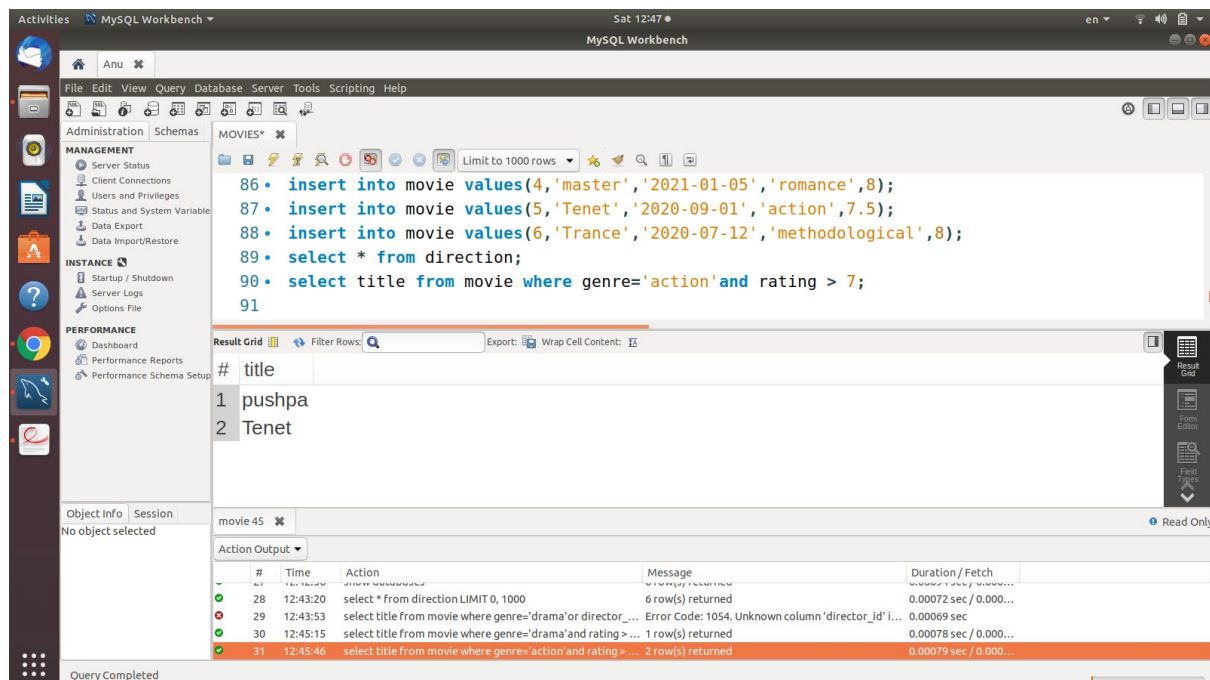


10. Select Statement using Relational and Logical operators.

QUERY: AND Operator

select title from movie where genre='action' and rating > 7;

OUTPUT:



OR Operator: select film_id, title from movie where genre='action' or date1='2021-01-05';

MySQL Workbench interface showing a query execution. The query window contains the following SQL statements:

```

87 • insert into movie values(5,'Tenet','2020-09-01','action',7.5);
88 • insert into movie values(6,'Trance','2020-07-12','methodological',8);
89 • select * from direction;
90 • select title from movie where genre='action'and rating > 7;
91 • select film_id,title from movie where genre ='action' or datel= '2021-01-05';
92

```

The Result Grid shows the following data:

#	film_id	title
1	1	pushpa
2	4	master
3	5	Tenet

The Action Output window shows the execution progress and results for the query.

NOT Operator:

select title from movie where not genre='drama';

MySQL Workbench interface showing a query execution. The query window contains the following SQL statements:

```

87 • insert into movie values(5,'Tenet','2020-09-01','action',7.5);
88 • insert into movie values(6,'Trance','2020-07-12','methodological',8);
89 • select * from direction;
90 • select title from movie where genre='action'and rating > 7;
91 • select film_id,title from movie where genre ='action' or datel= '2021-01-05';
92 • select title from movie where not genre='drama';

```

The Result Grid shows the following data:

#	title
1	pushpa
2	RRR
3	master
4	Tenet

The Action Output window shows the execution progress and results for the query.

11. One simple Subquery using select

QUERY:select film_id,title from movie where genre=(select genre like 'a%');

OUTPUT:

The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
89 • select * from direction;
90 • select title from movie where genre='action'and rating > 7;
91 • select film_id,title from movie where genre ='action' or datel= '2021-01-05';
92 • select title from movie where not genre='drama';
93 • select film_id,title from movie where genre=(select genre like 'a%');
94
```

The Results Grid shows the output of the query:

#	film_id	title
1	2	acharya
2	4	master
3	6	Trance
*	movie	title

The Action Output pane shows the execution details of the query:

#	Time	Action	Message	Duration / Fetch
35	12:51:49	select title from movie where not genre='drama' LIMIT 0, ...	Error Code: 1054. Unknown column "drama" in 'w...	0.00064 sec
36	12:52:13	select title from movie where not genre='drama' LIMIT 0, ...	5 row(s) returned	0.00076 sec / 0.000...
37	12:54:39	select movie_id,title from movie where genre=(select ge...	Error Code: 1054. Unknown column 'movie_id' in '...	0.00032 sec
38	12:54:51	select film_id,title from movie where genre=(select genr...	3 row(s) returned	0.00092 sec / 0.000...

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