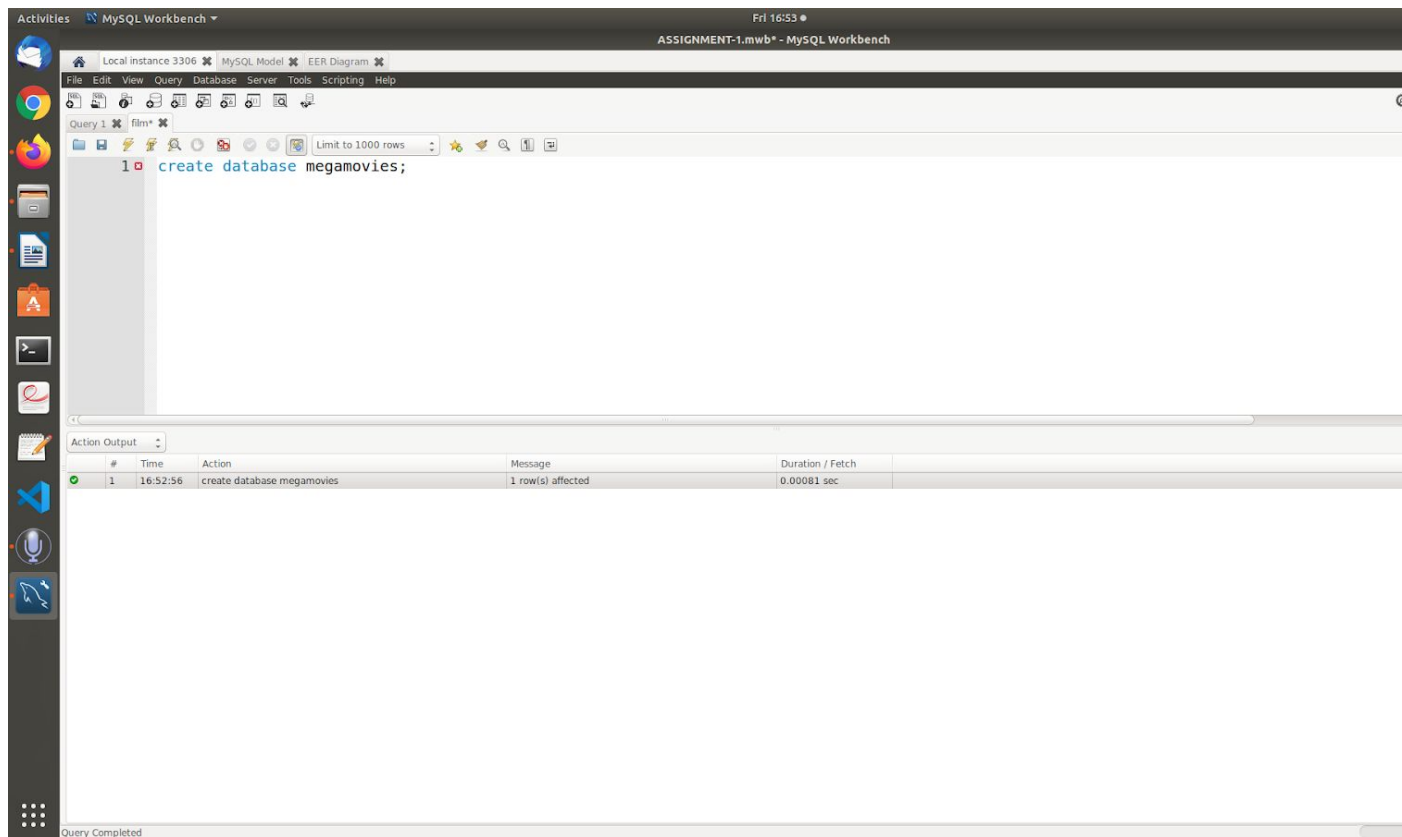


ASSIGNMENT-3

1. Show how to Create and Drop Database

SQL query : create database megamovies;

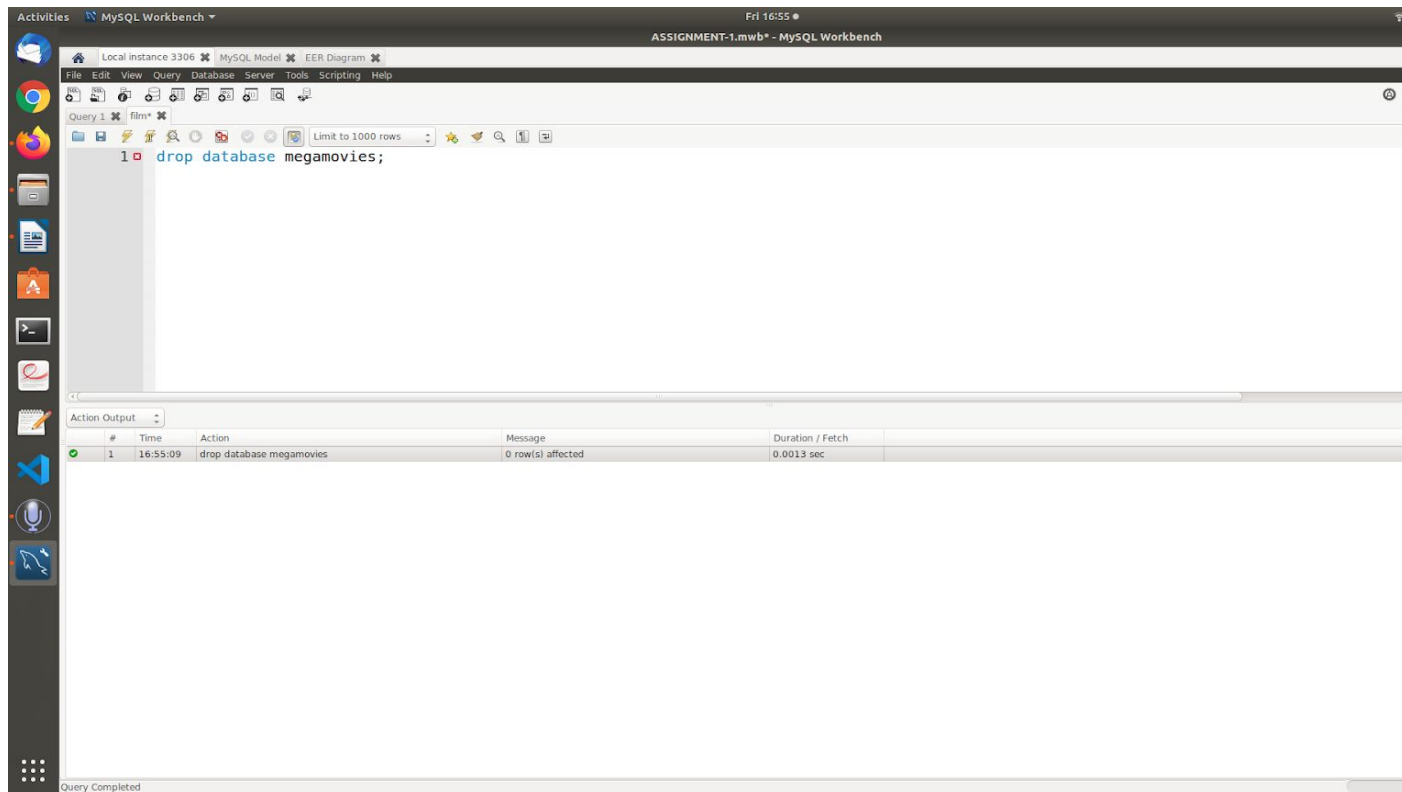
Output :



Drop database:

SQL query : drop database megamovies;

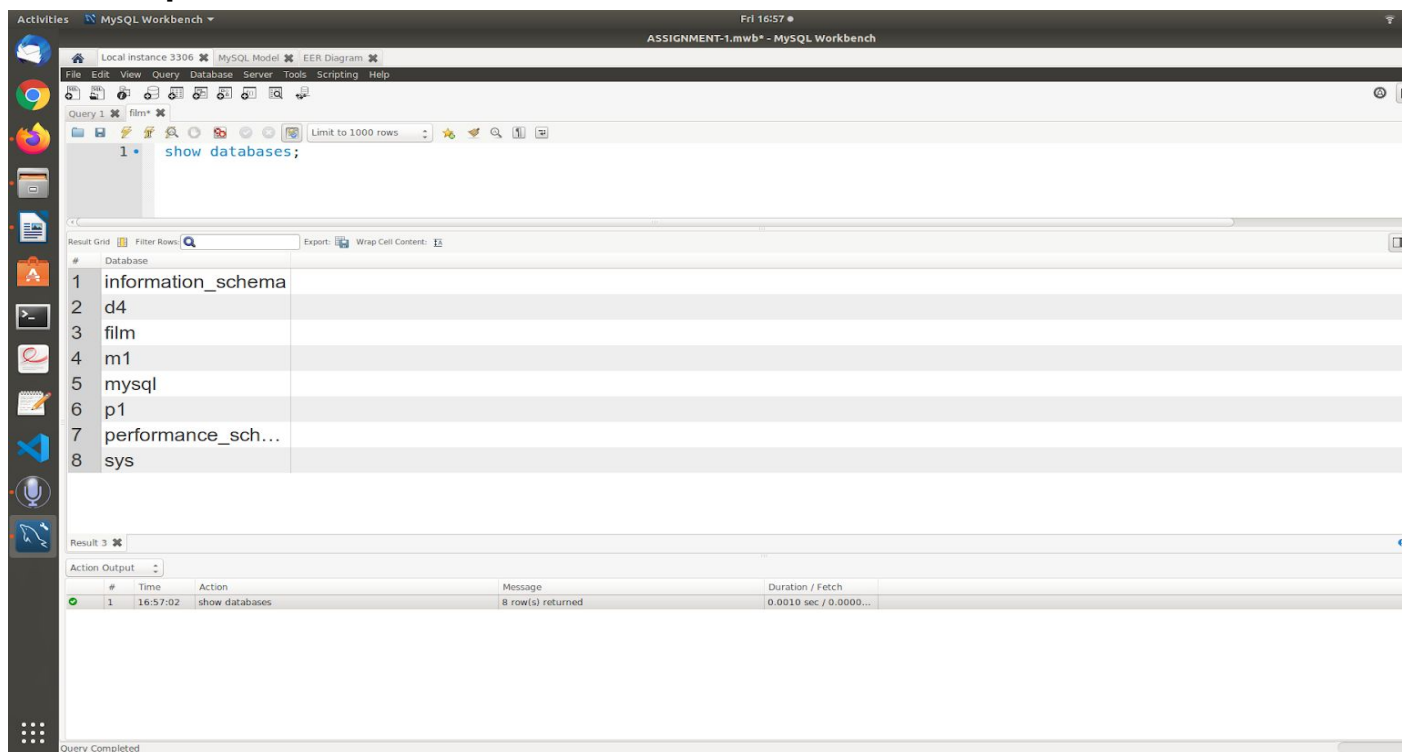
Output :



2. Show all the Databases are in the system

SQL Query : show databases;

Output :

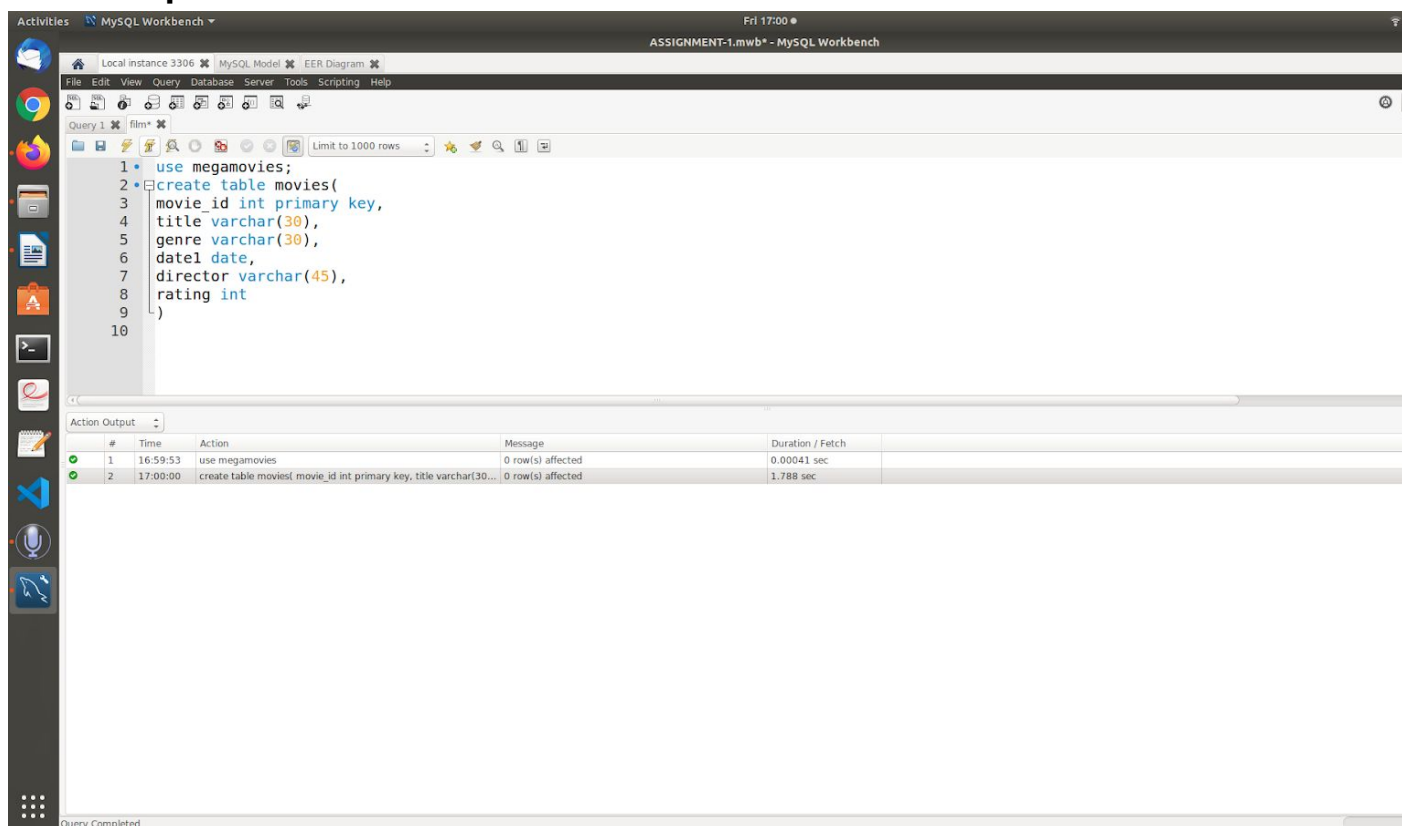


3. Create Table for your Database

SQL Query : use megamovies;

```
create table movies(  
  movie_id int primary key,  
  title varchar(30),  
  genre varchar(30),  
  date1 date,  
  director varchar(45),  
  rating int  
)
```

Output:



4. Show how select can be used for Creating table

SQL Query : create table movieinfo1 as select

movie_id,title,director,rating from movies;

Output :

The screenshot displays the MySQL Workbench interface. The top toolbar includes icons for File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The main editor window shows a SQL query: `1 • create table movieinfo1 as select movie_id,title,director,rating from movies;`. Below the editor, the 'Action Output' tab is active, showing a table with the following data:

#	Time	Action	Message	Duration / Fetch
1	17:04:05	create table movieinfo1 as select movie_id,title,director,rating ...	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	3.961 sec

A tooltip on the right side of the 'Action Output' table provides additional details:

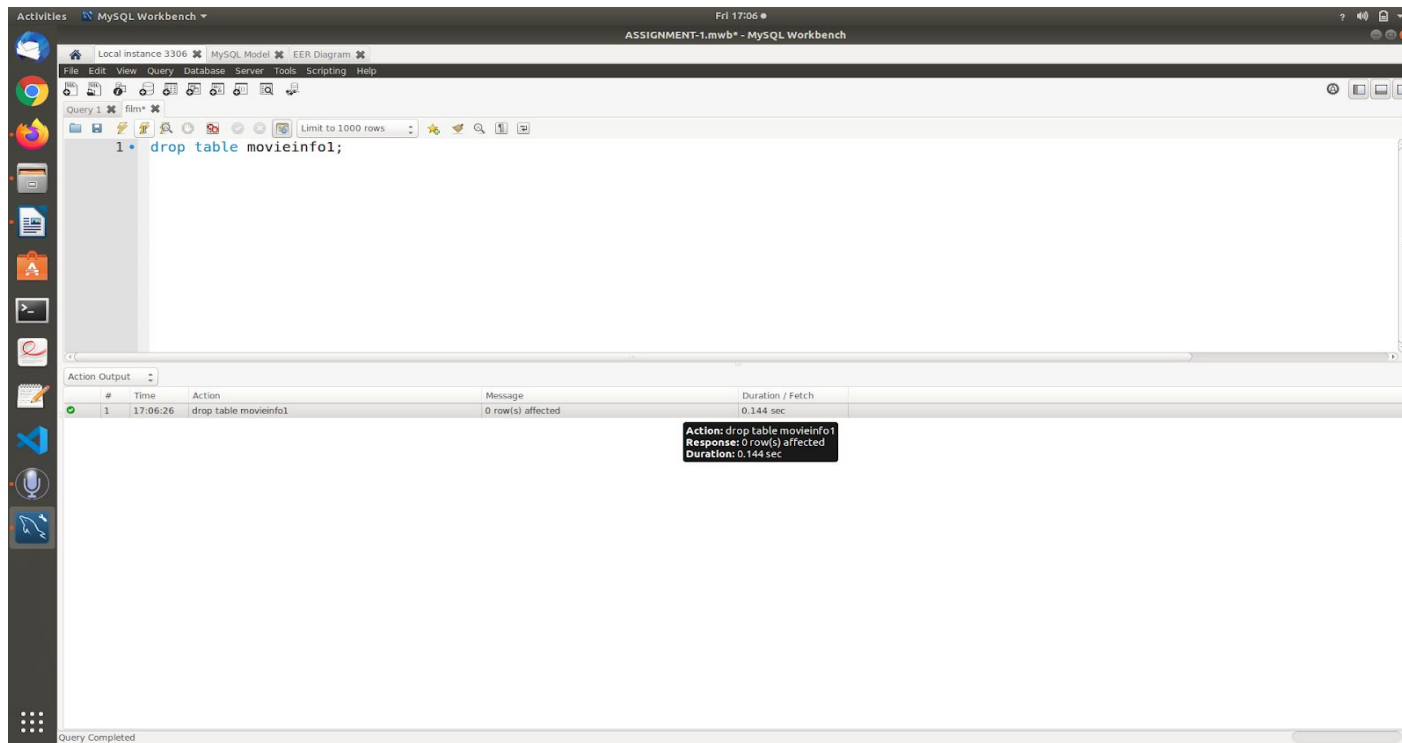
Action: create table movieinfo1 as select movie_id,title,director,rating from movies
Response: 0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
Duration: 3.961 sec

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

5. Drop table

SQL Query : drop table movieinfo1;

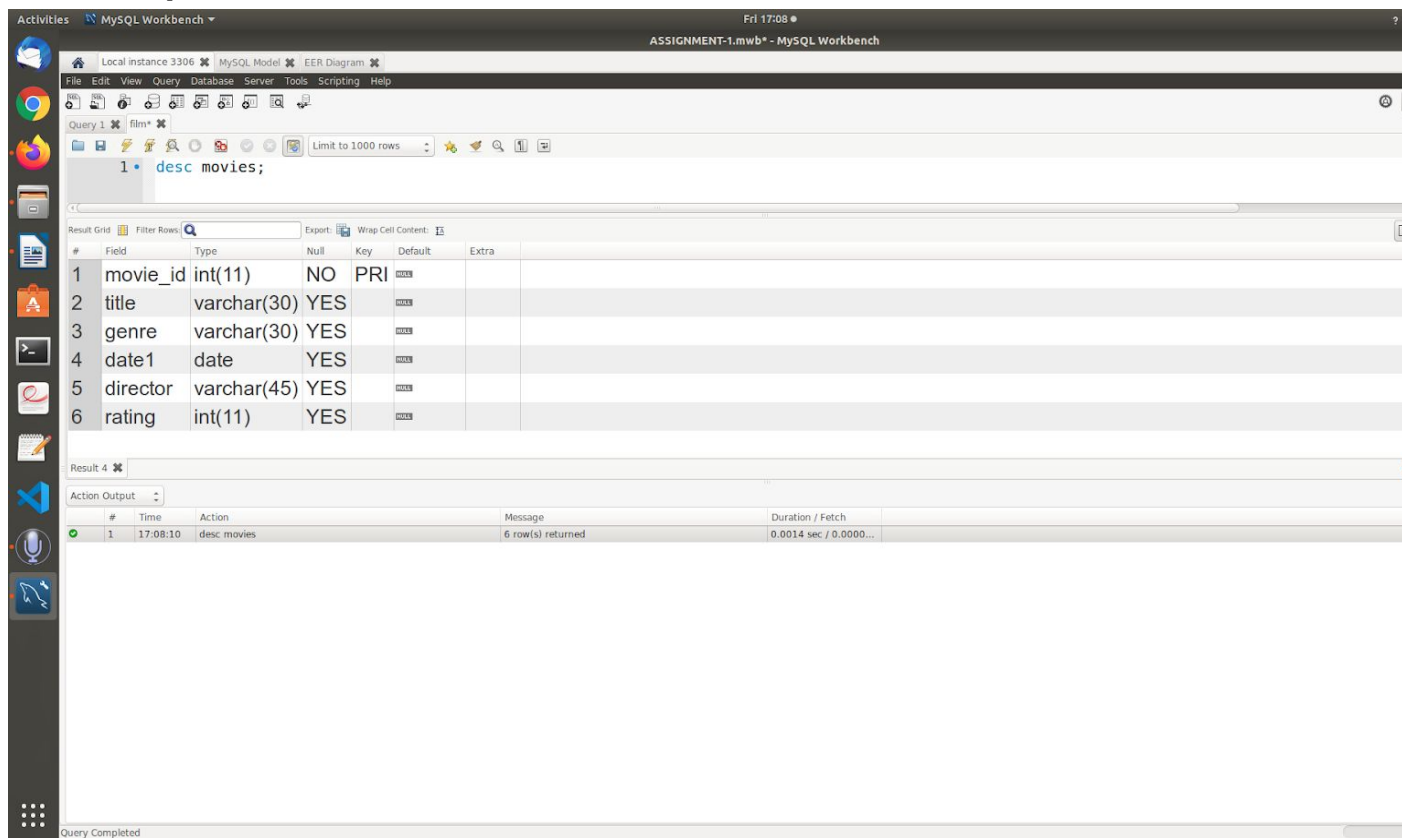
Output :



6. Show how to check the schema of the tables

SQL Query : desc movies;

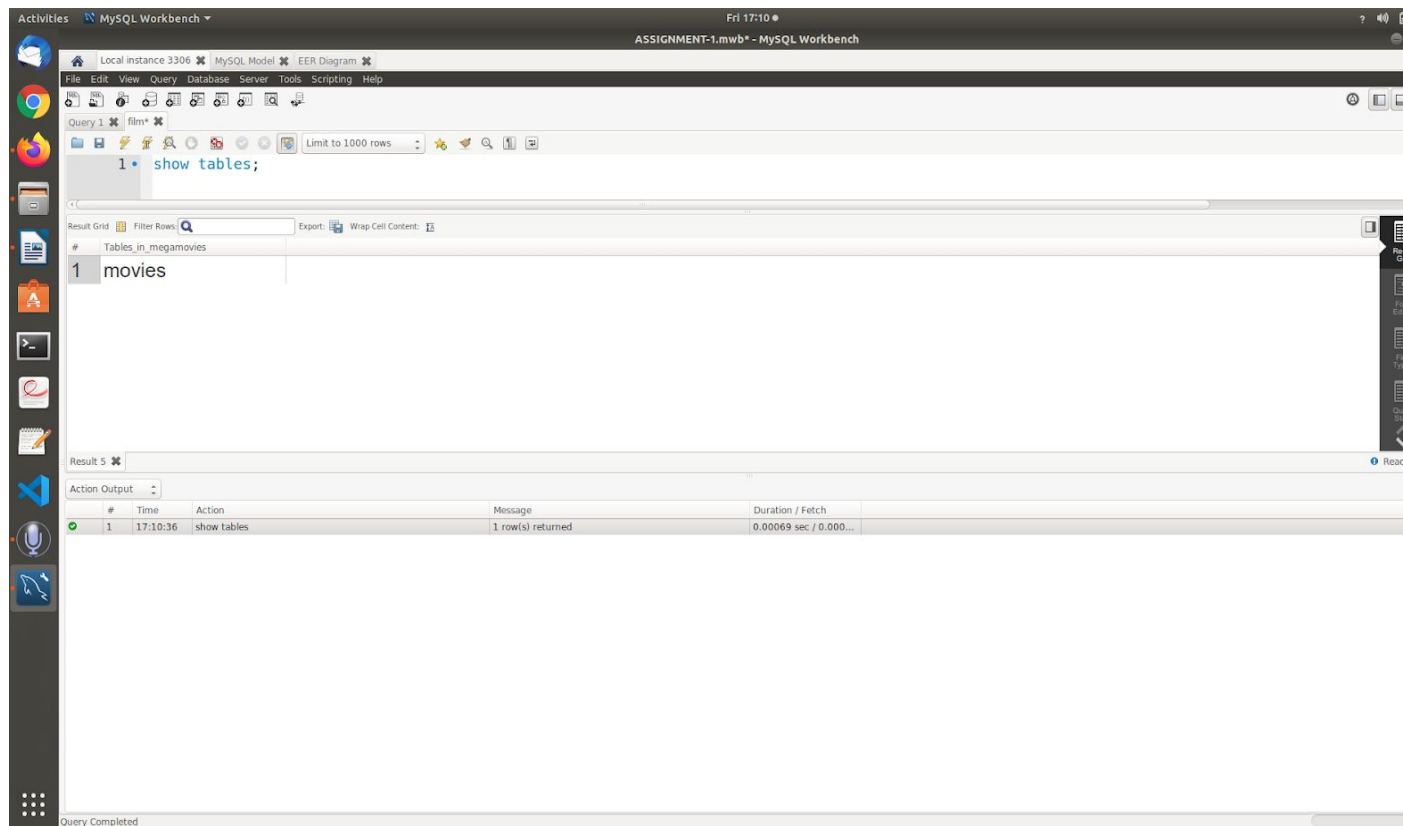
Output :



7. Show all the tables from the database

SQL Query : show tables;

Output :



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

SQL Query : insert into movies

values(1,'pushpa','action','2021-07-21','sukumar',8);

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

insert into movies

values(3,'RRR','action/drama','2022-04-01','Rajamouli',9.5);

insert into movies values(4,'master','romance','2021-01-05','lokes
kanagaraj',8);

insert into movies values(5,'Tenet','action','2020-09-01','christopher
nolan',7.5);

insert into movies values(6,'Trance','methodological','2020-07-12','nivin
pauly',8);

Output:

The screenshot shows the MySQL Workbench interface with a query editor containing seven INSERT statements. The 'Action Output' pane below shows the execution results for each query, indicating that each row was successfully inserted into the 'movies' table.

```
1 • insert into movies values(1,'pushpa','action','2021-07-21','sukumar',8);
2 • insert into movies values(2,'acharya','drama','2021-05-10','koratasiva',9);
3 • insert into movies values(3,'RRR','action/drama','2022-04-01','Rajamouli',9.5);
4 • insert into movies values(4,'master','romance','2021-01-05','lokesk kanagaraj',8);
5 • insert into movies values(5,'Tenet','action','2020-09-01','christopher nolan',7.5);
6 • insert into movies values(6,'Trance','methodological','2020-07-12','nivin pauly',8);
7
```

#	Time	Action	Message	Duration / Fetch
1	17:10:36	show tables	1 row(s) returned	0.00069 sec / 0.000...
2	17:12:38	insert into movies values(1,'pushpa','action','2021-07-21','suk...	1 row(s) affected	0.032 sec
3	17:12:41	insert into movies values(2,'acharya','drama','2021-05-10','kor...	1 row(s) affected	0.032 sec
4	17:12:44	insert into movies values(3,'RRR','action/drama','2022-04-01','...	1 row(s) affected	0.276 sec
5	17:12:46	insert into movies values(4,'master','romance','2021-01-05','lo...	1 row(s) affected	0.032 sec
6	17:12:48	insert into movies values(5,'Tenet','action','2020-09-01','christ...	1 row(s) affected	0.031 sec
7	17:12:50	insert into movies values(6,'Trance','methodological','2020-07-...	1 row(s) affected	0.031 sec

Query Completed

9. Show usage of Simple Select Statement

SQL Query : select * from movies;

Output :

The screenshot shows the MySQL Workbench interface with a query editor containing a single SELECT statement. The 'Result Grid' pane below displays the data returned by the query, showing six rows of movie information.

```
1 • select * from movies;
```

#	movie_id	title	genre	date1	director	rating
1	1	pushpa	action	2021-07-21	sukumar	8
2	2	acharya	drama	2021-05-10	koratasiva	9
3	3	RRR	action/drama	2022-04-01	Rajamouli	10
4	4	master	romance	2021-01-05	lokesk kanagaraj	8
5	5	Tenet	action	2020-09-01	christopher nolan	8
6	6	Trance	methodological	2020-07-12	nivin pauly	8

movies 6

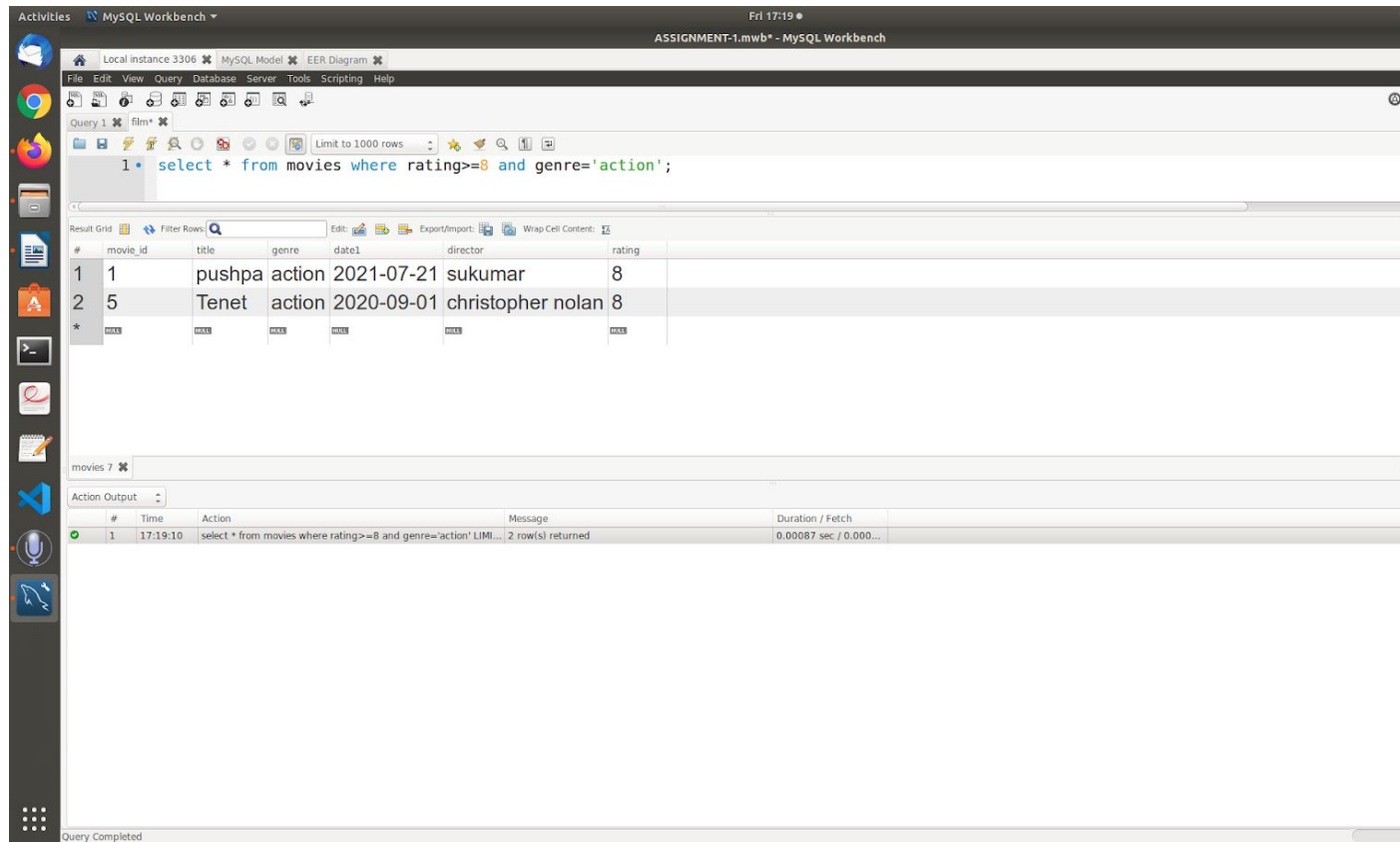
#	Time	Action	Message	Duration / Fetch
1	17:17:12	select * from movies LIMIT 0, 1000	6 row(s) returned	0.00088 sec / 0.000...

Query Completed

10. Select Statement using Relational and Logical operators.

SQL Query : select * from movies where rating>=8 and genre='action';

Output :



Query 1: `select * from movies where rating>=8 and genre='action';`

#	movie_id	title	genre	date1	director	rating
1	1	pushpa	action	2021-07-21	sukumar	8
2	5	Tenet	action	2020-09-01	christopher nolan	8

movies 7

Action Output

#	Time	Action	Message	Duration / Fetch
1	17:19:10	select * from movies where rating>=8 and genre='action' LIM...	2 row(s) returned	0.00087 sec / 0.000...

Query Completed

11. One simple Subquery using select

SQL Query : select * from movies where title IN(select title from movies where title='RRR');

Output :

The screenshot displays the MySQL Workbench interface. The top toolbar includes icons for file operations, query execution, and database management. The main query editor contains the following SQL statement:

```
1 • select * from movies where title IN(select title from movies where title='RRR');
```

Below the query editor, the 'Result Grid' tab is active, showing a single row of results:

#	movie_id	title	genre	date1	director	rating
1	3	RRR	action/drama	2022-04-01	Rajamouli	10

The 'Action Output' tab at the bottom provides details about the query execution:

#	Time	Action	Message	Duration / Fetch
1	17:21:21	select * from movies where title IN(select title from movies wh...	1 row(s) returned	0.0012 sec / 0.0000...

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