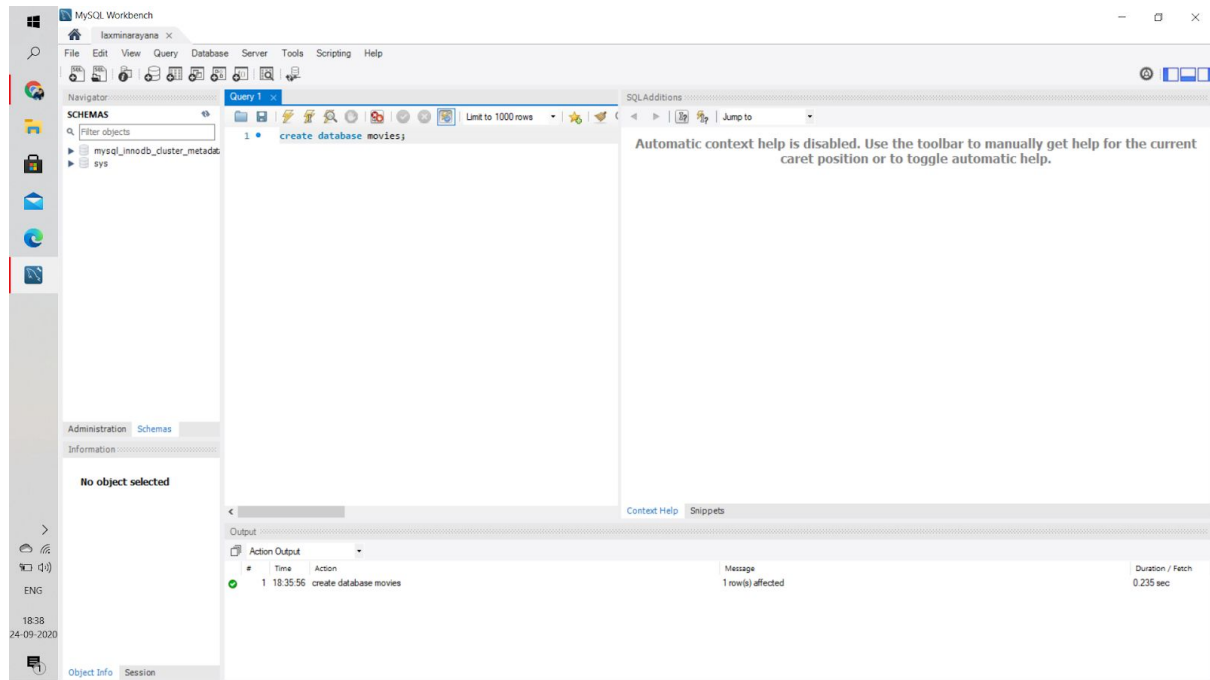
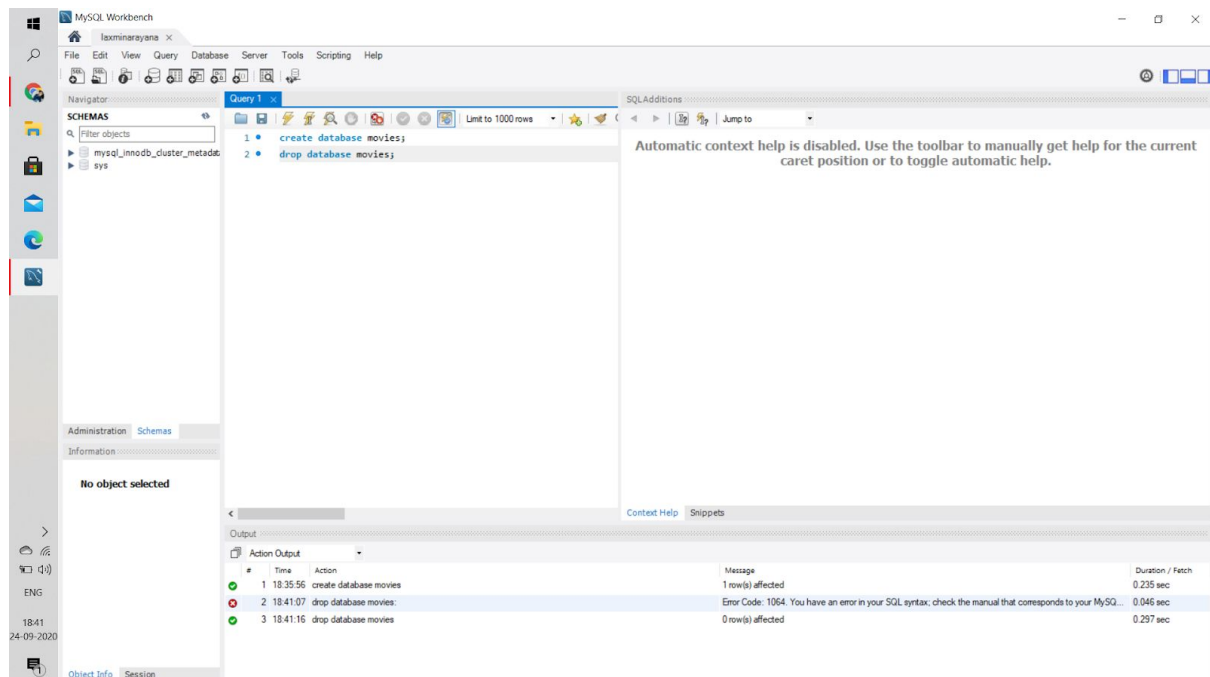


1. Show how to Create and Drop Database

A) Create Database:

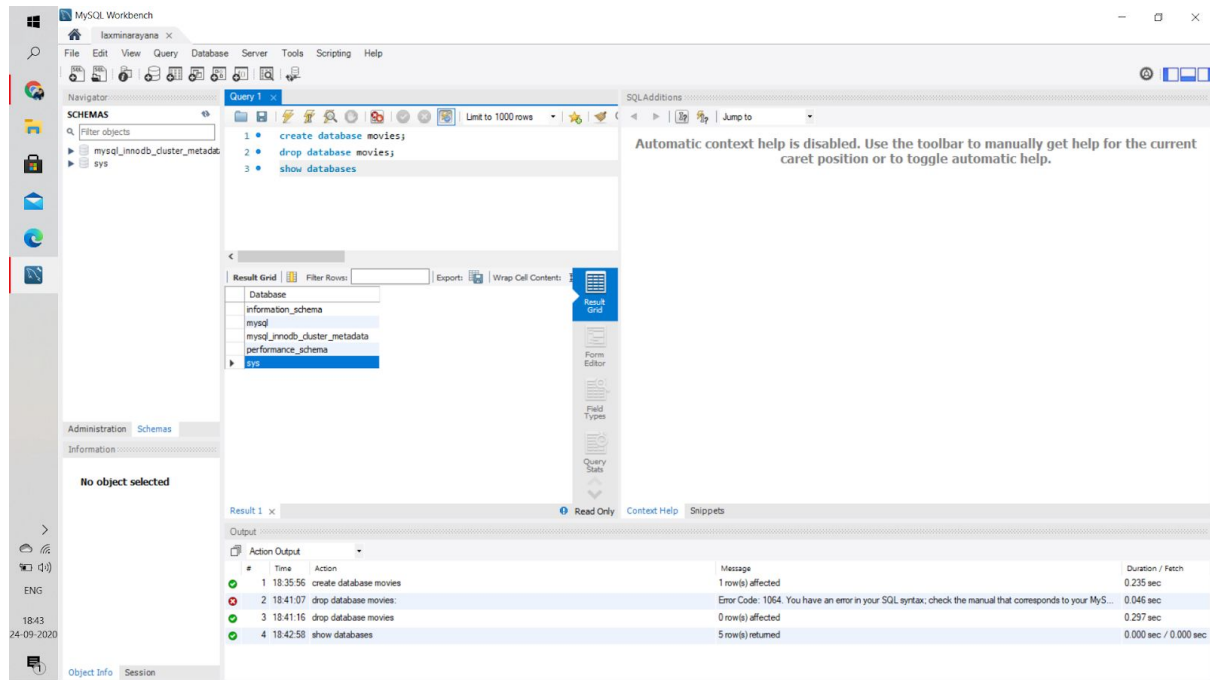


Drop Database:



2. Show all the Databases are in the system

A)



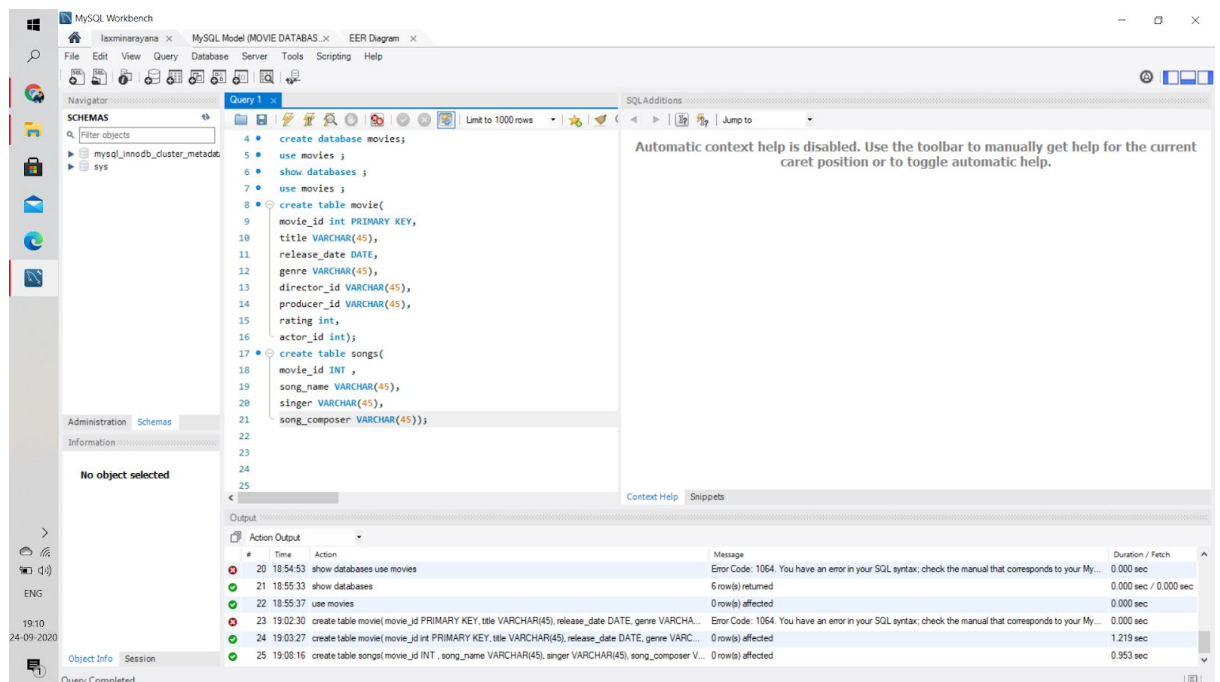
3. Create Table for your Database

QUERY: use movies ;

```
create table movie(
movie_id int PRIMARY KEY,
title VARCHAR(45),
release_date DATE,
genre VARCHAR(45),
director_id VARCHAR(45),
producer_id VARCHAR(45),
rating int,
actor_id int);
```

```
create table songs(
movie_id INT ,
song_name VARCHAR(45),
singer VARCHAR(45),
song_composer VARCHAR(45));
```

OUTPUT:

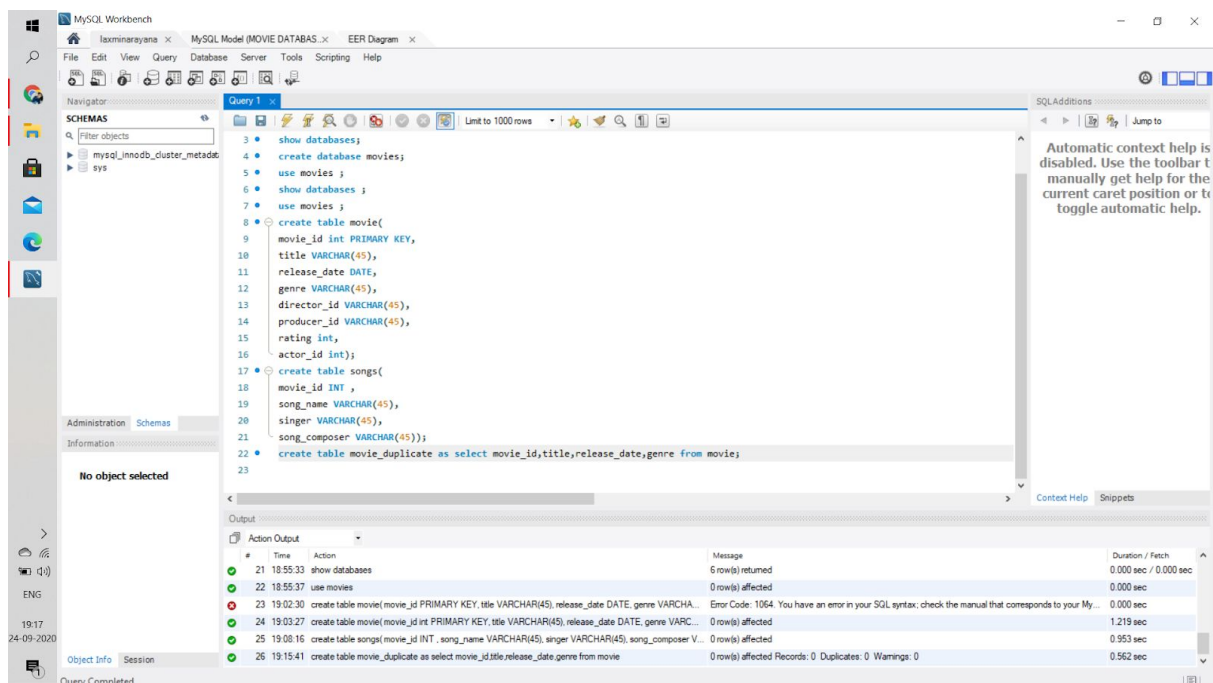


4. Show how select can be used for Creating table

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:

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

```
8 create table movie(  
9   movie_id int PRIMARY KEY,  
10  title VARCHAR(45),  
11  release_date DATE,  
12  genre VARCHAR(45),  
13  director_id VARCHAR(45),  
14  producer_id VARCHAR(45),  
15  rating int,  
16  actor_id int);  
17 create table songs(  
18   movie_id int ,  
19   song_name VARCHAR(45),  
20   singer VARCHAR(45),  
21   song_composer VARCHAR(45));  
22 desc movie;  
23 create table movie_duplicate as select movie_id,title,release_date,genre from movie;  
24 desc movie_duplicate;  
25 drop table movie_duplicate;  
26 desc movie_duplicate;  
27  
28
```

The Output pane shows the execution results with several errors:

#	Time	Action	Message	Duration / Fetch
26	19:15:41	create table movie_duplicate as select movie_id,title,release_date,genre from movie	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.562 sec
27	19:18:32	create table songs(movie_id INT , song_name VARCHAR(45), singer VARCHAR(45), song_composer V...	Error Code: 1050. Table 'songs' already exists	0.000 sec
28	19:18:32	desc movie	8 row(s) returned	0.000 sec / 0.000 sec
29	19:20:20	desc movie_duplicate	4 row(s) returned	0.016 sec / 0.000 sec
30	19:21:13	drop table movie_duplicate	0 row(s) affected	0.547 sec
31	19:22:15	desc movie_duplicate	Error Code: 1146. Table 'movies.movie_duplicate' doesn't exist	0.000 sec

The query was interrupted.

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 script:

```
23 create table movie_duplicate as select movie_id,title,release_date,genre from movie;  
24 desc movie_duplicate;  
25 drop table movie_duplicate;  
26 desc movie_duplicate;  
27 desc movie;  
28  
29
```

The Output pane shows the execution results, including the schema of the movie table:

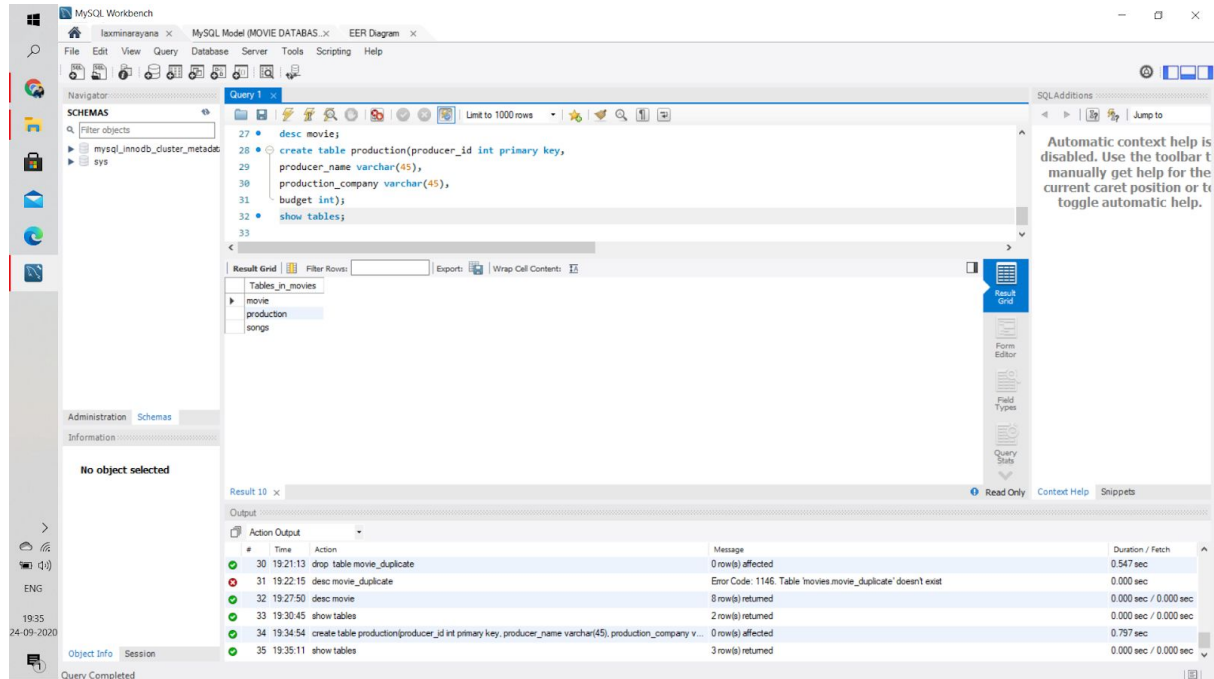
Field	Type	Null	Key	Default	Extra
movie_id	int	NO	PRI		
title	varchar(45)	YES			
release_date	date	YES			
genre	varchar(45)	YES			
director_id	varchar(45)	YES			
producer_id	varchar(45)	YES			
rating	int	YES			
actor_id	int	YES			

The Output pane also shows the execution results for the other queries, including errors for creating the 'songs' table and dropping the 'movie_duplicate' table.

7. Show all the tables from the database

QUERY:show tables;

OUTPUT:



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

QUERY:

insert into movie values(1001,'BAHUBALI','2016-12-7','history',2001,3001,10,4001);

insert into movie values(1002,'PUSPA','2017-12-7','action',2002,3002,10,4002);

insert into movie values(1003,'RRR','2018-12-7','adventure',2003,3003,9,4003);

insert into movie values(1004,'SAHOO','2019-12-7','fantasy',2004,3004,8,4004);

insert into movie values(1005,'TENET','2016-12-7','drama',2005,3005,9,4005);

insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);

insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);

OUTPUT:

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying a SQL script. The 'Output' tab at the bottom shows the results of the query execution. The script includes a series of INSERT statements into the 'movie' table, followed by a SELECT statement. The output shows the execution of these statements, with messages indicating the number of rows affected and the duration of each operation.

```
24 desc movie_duplicate;
25 drop table movie_duplicate;
26 desc movie_duplicate;
27 desc movie;
28 create table production(producer_id int primary key,
29 producer_name varchar(45),
30 production_company varchar(45),
31 budget int);
32 show tables;
33 delete from movie where movie_id in(1003,1004,1005,1006,1007);
34 insert into movie values(1001,'BAHUBALI','2016-12-7','history',2001,3001,10,4001);
35 insert into movie values(1002,'PUSPA','2017-12-7','action',2002,3002,10,4002);
36 insert into movie values(1003,'RRR','2018-12-7','adventure',2003,3003,9,4003);
37 insert into movie values(1004,'SAHOO','2019-12-7','fantasy',2004,3004,8,4004);
38 insert into movie values(1005,'TENET','2016-12-7','drama',2005,3005,9,4005);
39 insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);
40 insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);
```

#	Time	Action	Message	Duration / Fetch
55	20:02:43	insert into movie values(1002,'PUSPA','2017-12-7','action',2002,3002,10,4002)	1 row(s) affected	0.234 sec
56	20:02:43	insert into movie values(1003,'RRR','2018-12-7','adventure',2003,3003,9,4003)	1 row(s) affected	0.531 sec
57	20:02:44	insert into movie values(1004,'SAHOO','2019-12-7','fantasy',2004,3004,8,4004)	1 row(s) affected	0.329 sec
58	20:02:44	insert into movie values(1005,'TENET','2016-12-7','drama',2005,3005,9,4005)	1 row(s) affected	0.343 sec
59	20:02:45	insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006)	1 row(s) affected	0.250 sec
60	20:02:45	insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007)	1 row(s) affected	0.188 sec

9. Show usage of Simple Select Statement

QUERY:

select * from movie;

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying a SQL script. The 'Output' tab at the bottom shows the results of the query execution. The script includes a series of INSERT statements into the 'movie' table, followed by a SELECT statement. The output shows the execution of these statements, with messages indicating the number of rows affected and the duration of each operation.

```
36 insert into movie values(1003,'RRR','2018-12-7','adventure',2003,3003,9,4003);
37 insert into movie values(1004,'SAHOO','2019-12-7','fantasy',2004,3004,8,4004);
38 insert into movie values(1005,'TENET','2016-12-7','drama',2005,3005,9,4005);
39 insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);
40 insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);
41 select * from movie;
42 select title from movie;
```

movie_id	title	release_date	genre	director_id	producer_id	rating	actor_id
1001	BAHUBALI	2016-12-07	history	2001	3001	10	4001
1002	PUSPA	2017-12-07	action	2002	3002	10	4002
1003	RRR	2018-12-07	adventure	2003	3003	9	4003
1004	SAHOO	2019-12-07	fantasy	2004	3004	8	4004
1005	TENET	2016-12-07	drama	2005	3005	9	4005
1006	ASCHARYA	2014-12-07	epic	2006	3006	7	4006
1007	MASTER	2015-12-07	history	2007	3007	9	4007

10. Select Statement using Relational and Logical operators.

QUERY: AND Operator

select title from movie where release_date<>'2016-12-7'and '2018-12-7';

OUTPUT:

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

```
40 insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);
41 select * from movie;
42 select title from movie;
43 select title from movie where release_date<>'2016-12-7'and '2018-12-7';
44
45
46
```

The output pane shows the results of the query. The first three queries are successful, and the fourth query returns 5 rows.

#	Time	Action	Message	Duration / Fetch
58	20.02.44	insert into movie values(1005,'TENET','2016-12-7','drama',2005,3005,9,4005);	1 row(s) affected	0.343 sec
59	20.02.45	insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);	1 row(s) affected	0.250 sec
60	20.02.45	insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);	1 row(s) affected	0.188 sec
61	20.05.39	select * from movie LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
62	20.06.23	select title from movie LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
63	20.11.56	select title from movie where release_date<>'2016-12-7'and '2018-12-7' LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

OR Operator:

select title from movie where genre='history'or director_id in(2003,2005);

OUTPUT:

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

```
38 insert into movie values(1005,'TENET','2016-12-7','drama',2005,3005,9,4005);
39 insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);
40 insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);
41 select * from movie;
42 select title from movie;
43 select title from movie where release_date<>'2016-12-7'and '2018-12-7';
44 select title from movie where genre='history'or director_id in(2003,2005);
```

The output pane shows the results of the query. The first three queries are successful, and the fourth query returns 4 rows.

#	Time	Action	Message	Duration / Fetch
59	20.02.45	insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);	1 row(s) affected	0.250 sec
60	20.02.45	insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);	1 row(s) affected	0.188 sec
61	20.05.39	select * from movie LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
62	20.06.23	select title from movie LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
63	20.11.56	select title from movie where release_date<>'2016-12-7'and '2018-12-7' LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
64	20.16.13	select title from movie where genre='history'or director_id in(2003,2005) LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

NOT Operator:

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

OUTPUT:

MySQL Workbench

Query 1

```
39 • insert into movie values(1006,'ASCHARYA','2014-12-7','epic',2006,3006,7,4006);
40 • insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007);
41 • select * from movie;
42 • select title from movie;
43 • select title from movie where release_date > '2016-12-7' and '2018-12-7';
44 • select title from movie where genre='history' or director_id in(2003,2005);
45 • select title from movie where not genre='history';
```

Result Grid

title
PUSPA
RRR
SAHOO
TENET
ASCHARYA

Output

#	Time	Action	Message	Duration / Fetch
60	20:02:45	insert into movie values(1007,'MASTER','2015-12-7','history',2007,3007,9,4007)	1 row(s) affected	0.188 sec
61	20:05:39	select * from movie LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
62	20:06:23	select title from movie LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
63	20:11:56	select title from movie where release_date > '2016-12-7' and '2018-12-7' LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
64	20:16:13	select title from movie where genre='history' or director_id in(2003,2005) LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
65	20:19:20	select title from movie where not genre='history' LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

11. One simple Subquery using select

QUERY:

select movie_id,title from movie where genre=(select genre like 'h%');

OUTPUT:

MySQL Workbench

Query 1

```
47 • create table songs(
48 •   movie_id INT ,
49 •   song_name VARCHAR(45),
50 •   singer VARCHAR(45),
51 •   song_composer VARCHAR(45), foreign key(movie_id) references movie(movie_id));
52 • select movie_id,title from movie where genre=(select genre like 'h%');
53
```

Result Grid

movie_id	title
1002	PUSPA
1003	RRR
1004	SAHOO
1005	TENET
1006	ASCHARYA

Output

#	Time	Action	Message	Duration / Fetch
75	20:44:15	create table songs(movie_id INT , song_name VARCHAR(45), singer VARCHAR(45), song_composer ...	0 row(s) affected	0.656 sec
76	20:44:47	insert into songs values(1001,'Inamatalali','yamin','deva')	Error Code: 3098. The table does not comply with the requirements by an external plugin.	0.016 sec
77	20:46:11	insert into songs values(1001,'Inamatalali','yamin','deva')	Error Code: 3098. The table does not comply with the requirements by an external plugin.	0.000 sec
78	20:52:00	select movie_id,title from movie where genre=(select genre like 'h%') LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
79	20:52:36	select movie_id,title from movie where genre=(select genre like 'h%')	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your My...	0.000 sec
80	20:52:54	select movie_id,title from movie where genre=(select genre like 'h%') LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

