

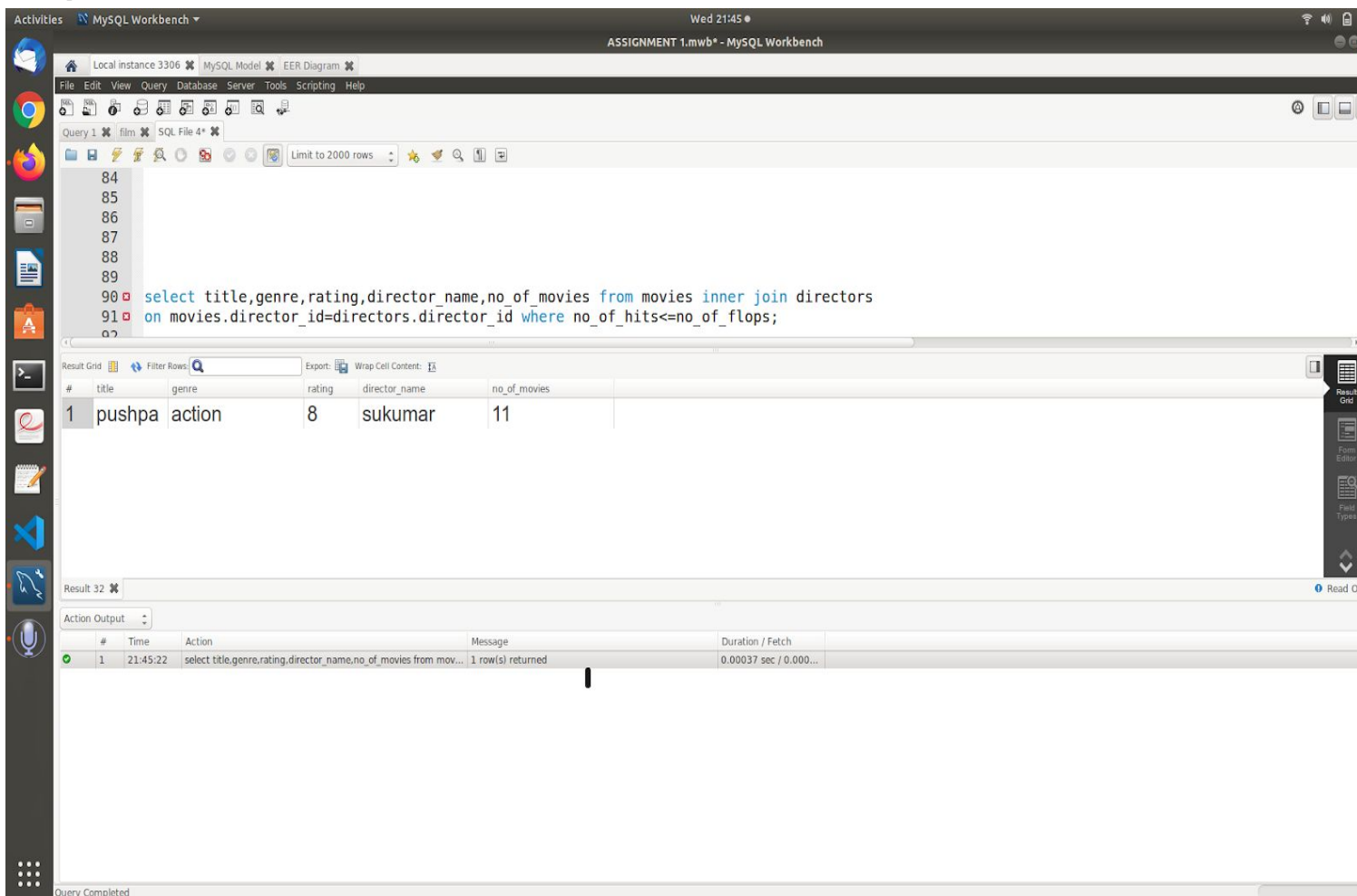
ASSIGNMENT-5

1. INNER JOIN

a)SQL Query

```
select title,genre,rating,director_name,no_of_movies from movies
inner join directors on movies.director_id=directors.director_id
where no_of_hits<=no_of_flops;
```

Output :



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

```
select title,genre,rating,director_name,no_of_movies from movies inner join directors
on movies.director_id=directors.director_id where no_of_hits<=no_of_flops;
```

The results are displayed in the Result Grid, showing one row of data:

#	title	genre	rating	director_name	no_of_movies
1	pushpa	action	8	sukumar	11

The Action Output pane at the bottom shows the execution details:

#	Time	Action	Message	Duration / Fetch
1	21:45:22	select title,genre,rating,director_name,no_of_movies from mov...	1 row(s) returned	0.00037 sec / 0.000...

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

b)SQL Query

```
select title,producer_name,genre,rating from movies inner join production
on movies.producer_id=production.producer_id where production.budget in
(select max(budget) from production);
```

Output :

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

```
95  
96  
97  
98  
99 select title,producer_name,genre,rating from movies inner join production  
100 on movies.producer_id=production.producer_id where production.budget in (select max(budget) from production);  
101  
102
```

The result grid shows one row of data:

#	title	producer_name	genre	rating
1	Trance	karan	methodological	8

The action output shows the execution details:

```
1 22:02:41 select title,producer_name,genre,rating from movies inner join... 1 row(s) returned  
Duration: 0.00051 sec / 0.0000062 sec
```

A tooltip displays the full query and execution details:

```
Action: select title,producer_name,genre,rating from  
movies inner join production on  
movies.producer_id=production.producer_id where  
production.budget in (select max(budget) from production)  
LIMIT 0, 2000  
Response: 1 row(s) returned  
Duration: 0.00051 sec / 0.0000062 sec
```

c)SQL Query

```
select title,actor_name,director_name,producer_name from(((movies inner join  
actors on movies.actor_id=actors.actor_id and actors.actor_name like 'c%')  
inner join directors on movies.director_id=directors.director_id)inner join  
production on movies.producer_id=production.producer_id);
```

Output :

Activities MySQL Workbench Wed 22:52

ASSIGNMENT 1.mwb - MySQL Workbench

Local instance 3306 MySQL Model EER Diagram

File Edit View Query Database Server Tools Scripting Help

Query 1 film SQL File 4

Limit to 2000 rows

```

121
122
123
124
125 select title,actor_name,director_name,producer_name from((movies inner join actors on movies.actor_id=actors.actor_id and actors.actor_name like 'c%')
126 inner join directors on movies.director_id=directors.director_id)inner join production on movies.producer_id=production.producer_id;
127
128
129
130

```

Result Grid

#	title	actor_name	director_name	producer_name
1	acharya	charan	trivikram	vamsi
2	master	chiru	rajamouli	dhanush

Result 46

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:50:19	select * from actors LIMIT 0, 2000	6 row(s) returned	0.00074 sec / 0.000...
2	22:50:31	select * from actors LIMIT 0, 2000	6 row(s) returned	0.00026 sec / 0.000...
3	22:51:30	select title,actor_name,director_name,producer_name from((...	2 row(s) returned	0.00048 sec / 0.000...

Action: select
title,actor_name,director_name,producer_name
from((movies inner join actors on
movies.actor_id=actors.actor_id and actors.actor_name
like 'c%')inner join directors on
movies.director_id=directors.director_id)inner join
production on
movies.producer_id=production.producer_id) LIMIT 0, 2000
Response: 2 row(s) returned
Duration: 0.00048 sec / 0.000091 sec

Query Completed

2. LEFT OUTER JOIN

a)SQL Query

select actor_name,role_type,title,genre from actors left join movies on
actors.actor_id=movies.actor_id order by actors.actor_name;

Output :

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

```
select actor_name,role_type,title,genre from actors left join movies on actors.actor_id=movies.actor_id order by actors.actor_name;
```

The query has been executed, and the results are displayed in the Result Grid below. The grid shows 8 rows of data with columns: #, actor_name, role_type, title, and genre.

#	actor_name	role_type	title	genre
1	arjun	villain	pushpa	action
2	bunny	dancer		
3	charan	comedian	acharya	drama
4	chiru	hero	master	romance
5	kajal	heroine	RRR	action/drama
6	karina	singer		
7	katrina	heroine	Tenet	action
8	vijay	hero	Trance	methodological

Below the Result Grid, the Action Output tab shows the execution details:

```
Action: select actor_name,role_type,title,genre from actors left join movies on actors.actor_id=movies.actor_id order by actors.actor_name LIMIT 0, 2000
Response: 8 row(s) returned
Duration: 0.00042 sec / 0.0000060 sec
```

b)SQL Query

select title,producer_name,director_name from movies left join production on movies.producer_id=production.producer_id and production.budget>200000 left join directors on movies.director_id=directors.director_id and no_of_movies>5;

Output :

Activities MySQL Workbench Thu 18:52 ASSIGNMENT 1.mwb - MySQL Workbench

Local instance 3306 MySQL Model EER Diagram

File Edit View Query Database Server Tools Scripting Help

Query 1 film Limit to 2000 rows

```

154
155
156
157
158
159
160
161
162 select title,producer_name,director_name from movies left join production on movies.producer_id=production.producer_id
163 and production.budget>200000 left join directors on movies.director_id=directors.director_id and no_of_movies>5;

```

#	title	producer_name	director_name
1	pushpa	sukumar	
2	acharya	trivikram	
3	RRR	charan	kammula
4	master	dhanush	rajamouli
5	Tenet	sharukh	koratala
6	Trance	karan	shankar

Result 10

#	Time	Action	Message	Duration / Fetch
1	17:59:21	select actor_name,role_type,title,genre from actors left join mo...	8 row(s) returned	0.00042 sec / 0.000...
2	18:09:03	select actor_name,role_type,title,genre from actors left join mo...	8 row(s)	2 sec / 0.000...
3	18:13:57	select actor_name,role_type,title,genre from actors left join mo...	8 row(s)	4 sec / 0.000...
4	18:49:37	select title,producer_name,director_name from movies left join...	6 row(s)	4 sec / 0.000...

Query Completed

Action Output

Action: select title,producer_name,director_name from movies left join production on movies.producer_id=production.producer_id and production.budget>200000 left join directors on movies.director_id=directors.director_id and no_of_movies>5 LIMIT 0,2000
Response: 6 row(s) returned
Duration: 0.00044 sec / 0.0000091 sec

c)SQL Query

select title,songname,actor_name,director_name from movies left join songs on movies.movie_id=songs.movie_id and songs.movie_id=1 left join actors on movies.actor_id=actors.actor_id left join directors on movies.director_id=directors.director_id;

Output :

Activities MySQL Workbench Thu 20:03 MySQL Workbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

Query 1 film Limit to 2000 rows

```

207
208
209
210
211 select title,songname,actor_name,director_name from movies left join songs on movies.movie_id=songs.movie_id and songs.movie_id=1 left join
212 actors on movies.actor_id=actors.actor_id left join directors on movies.director_id=directors.director_id;
213
214
215
216

```

Result Grid

#	title	songname	actor_name	director_name
1	pushpa	Vaathi_coming	arjun	sukumar
2	pushpa	verrithanam	arjun	sukumar
3	pushpa	veralevel	arjun	sukumar
4	acharya		charan	trivikram
5	RRR		kajal	kammula
6	master		chiru	rajamouli
7	Tenet		katrina	koratala
8	Trance		vijay	shankar

Result 2

Action Output

#	Time	Action	Message	Duration / Fetch
1	20:03:14	select title,songname,actor_name,director_name from movies L...	8 row(s) returned	0.00046 sec / 0.000...

Query Completed

Action: select title,songname,actor_name,director_name from movies left join songs on movies.movie_id=songs.movie_id and songs.movie_id=1 left join actors on movies.actor_id=actors.actor_id left join directors on movies.director_id=directors.director_id LIMIT 0, 2000
Response: 8 row(s) returned
Duration: 0.00046 sec / 0.000010 sec

3.RIGHT OUTER JOIN

a)SQL Query

select title,producer_name,budget from movies right join production1 on movies.producer_id=production1.producer_id and budget between 200000 and 1000000;

Output :

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

```
select title,producer_name,budget from movies right join production1 on
movies.producer_id=production1.producer_id and budget between 200000 and 1000000;
```

The results are displayed in the 'Result Grid' tab below the query editor. The table has 6 rows and 3 columns: #, title, producer_name, and budget.

#	title	producer_name	budget
1	raju	100000	
2	acharya	vamsi	200000
3	RRR	charan	300000
4	master	dhanush	500000
5	Tenet	sharukh	1000000
6	karan	2000000	

Below the result grid, the 'Action Output' tab shows the execution details:

#	Time	Action	Message	Duration / Fetch
1	20:24:48	select title,producer_name,budget from movies right join prod...	6 row(s) returned	0.00086 sec / 0.000...

A tooltip is visible over the 'Action' column, providing more details about the query execution:

```
Action: select title,producer_name,budget from movies
right join production1 on
movies.producer_id=production1.producer_id and budget
between 200000 and 1000000 LIMIT 0, 2000
Response: 6 row(s) returned
Duration: 0.00086 sec / 0.00018 sec
```

b)SQL Query

select title,actor_name,role_type,producer_name from((movies right outer join actors on movies.actor_id=actors.actor_id and actors.role_type = "Hero")right outer join production1 on movies.producer_id=production1.producer_id);

Output :

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

```

select title,actor_name,role_type,producer_name from((movies right outer join actors on movies.actor_id=actors.actor_id
and actors.role_type = "Hero")right outer join production1 on movies.producer_id=production1.producer_id);

```

The results grid below the query editor displays the following data:

#	title	actor_name	role_type	producer_name
1	MALE	MALE	MALE	raju
2	MALE	MALE	MALE	vamsi
3	MALE	MALE	MALE	charan
4	master	chiru	hero	dhanush
5	MALE	MALE	MALE	sharukh
6	Trance	vijay	hero	karan

The Action Output pane at the bottom shows the execution details:

```

# Time Action Message Duration / Fetch
1 20:34:53 select title,actor_name,role_type,producer_name from((movies... 6 row(s) returned 0.0011 sec / 0.0000...

```

A tooltip for the first row of the results grid shows the following details:

```

Action: select title,actor_name,role_type,producer_name
from((movies right outer join actors on
movies.actor_id=actors.actor_id and actors.role_type =
"Hero")right outer join production1 on
movies.producer_id=production1.producer_id) LIMIT 0, 2000
Response: 6 row(s) returned
Duration: 0.0011 sec / 0.000028 sec

```

c)SQL Query

```

select distinct title,songname,actor_name,director_name,producer_name
from((((movies right outer join songs on
movies.movie_id=songs.movie_id)right outer join actors on
movies.actor_id=actors.actor_id) right outer join directors on
movies.director_id=directors.director_id)right outer join production1 on
movies.producer_id=production1.producer_id)where movies.genre="Action"
order by movies.title desc;

```

Output :