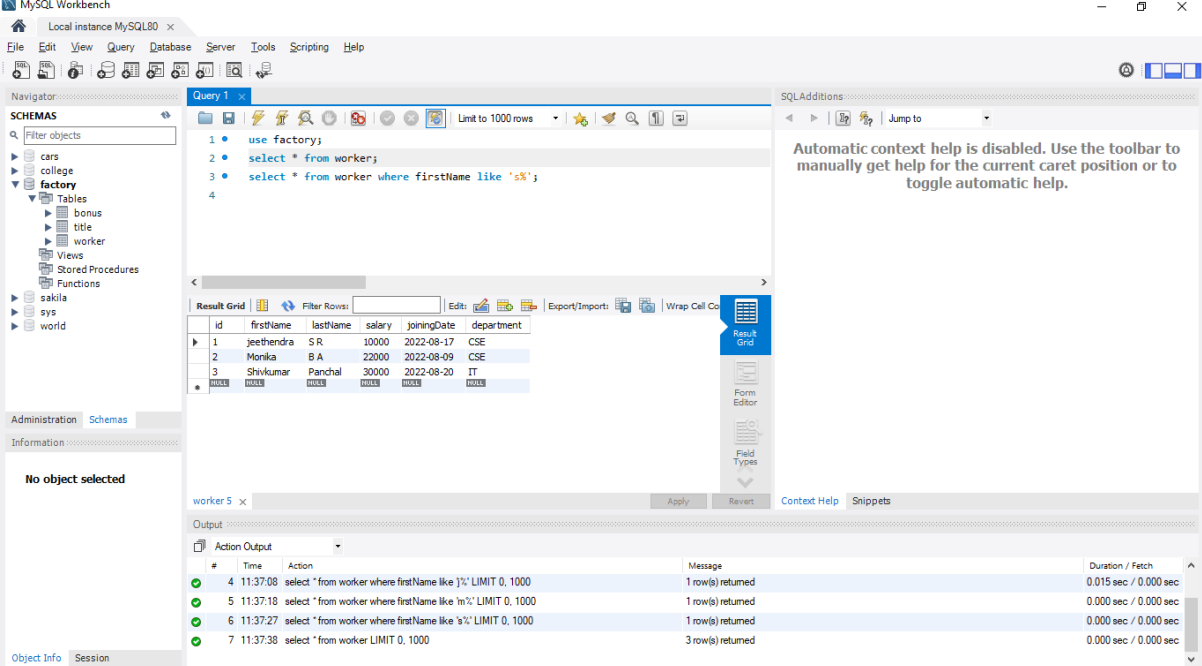


## Assignment 2

Fetch the data from the table worker ,

select \* from worker;



The screenshot shows the MySQL Workbench interface. The 'Query Editor' window contains the following SQL code:

```
1 use factory;
2 select * from worker;
3 select * from worker where firstName like 's%';
4
```

The 'Result Grid' window displays the results of the second query, showing a table with 6 columns: id, firstName, lastName, salary, joiningDate, and department. The data is as follows:

id	firstName	lastName	salary	joiningDate	department
1	jeethendra	S R	10000	2022-08-17	CSE
2	Monika	B A	22000	2022-08-09	CSE
3	Shivkumar	Panchal	30000	2022-08-20	IT

The 'Output' window shows the execution log for the queries:

#	Time	Action	Message	Duration / Fetch
4	11:37:08	select * from worker where firstName like 'j%' LIMIT 0, 1000	1 row(s) returned	0.015 sec / 0.000 sec
5	11:37:18	select * from worker where firstName like 'h%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
6	11:37:27	select * from worker where firstName like 's%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
7	11:37:38	select * from worker LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

1)whose name start with anyone alphabet,

select \* from worker where firstName like 's%';



MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects

SCHEMAS

- cars
- college
- factory
  - Tables
    - bonus
    - title
    - worker
  - Views
  - Stored Procedures
  - Functions
- sakila
- sys
- world

Query 1 x

```
1 use factory;
2 select * from worker;
3 select * from worker where firstName like 's%';
4
```

Result Grid

	id	firstName	lastName	salary	joiningDate	department
▶	3	Shivkumar	Panchal	30000	2022-08-20	IT

Output

worker 6 x

#	Time	Action	Message	Duration / Fetch
5	11:37:18	select * from worker where firstName like 'm%': LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
6	11:37:27	select * from worker where firstName like 's%': LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
7	11:37:38	select * from worker LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
8	11:38:18	select * from worker where firstName like 's%': LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

2)use Between operator to fetch the salary of worker

select \* from worker where salary between 10000 and 25000;

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects

SCHEMAS

- cars
- college
- factory
  - Tables
    - bonus
    - title
    - worker
  - Views
  - Stored Procedures
  - Functions
- sakila
- sys
- world

Query 1 x

```
1 use factory;
2 select * from worker;
3 select * from worker where firstName like 's%';
4 select * from worker where salary between 10000 and 25000;
```

Result Grid

	id	firstName	lastName	salary	joiningDate	department
▶	1	jeethendra	S R	10000	2022-08-17	CSE
▶	2	Monika	B A	22000	2022-08-09	CSE

Output

worker 7 x

#	Time	Action	Message	Duration / Fetch
6	11:37:27	select * from worker where firstName like 's%': LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
7	11:37:38	select * from worker LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
8	11:38:18	select * from worker where firstName like 's%': LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
9	11:39:42	select * from worker where salary between 10000 and 25000 LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

3)use AND operator & the wildcard operator to fetch the data of worker based on their departments & names

select \* from worker where department = 'cse' and firstName like 'j%';





MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects

SCHEMAS

- cars
- college
- factory
  - Tables
    - bonus
    - title
    - worker
  - Views
  - Stored Procedures
  - Functions
- sakila
- sys
- world

Query 1 x

```
2 • select * from worker;
3 • select * from title;
4 • select * from bonus;
5 • select * from worker where firstName like 's%';
6 • select * from worker where salary between 10000 and 25000;
7
8 • select * from worker where department = 'cse' and firstName like 'j%';
```

Result Grid

	id	firstName	lastName	salary	joiningDate	department
▶	1	jeethendra	S R	10000	2022-08-17	CSE

worker 14 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 13	11:43:54	select * from worker LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
✓ 14	11:45:59	select * from worker where department = 'cse' and firstName like 'j%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 15	11:46:07	select * from worker where department = 'i' and firstName like 'j%' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 16	11:46:11	select * from worker where department = 'cse' and firstName like 'j%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

4)Fetch the data by their salary in descending order

select \* from worker order by salary desc;

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: Filter objects

SCHEMAS

- cars
- college
- factory
  - Tables
    - bonus
    - title
    - worker
  - Views
  - Stored Procedures
  - Functions
- sakila
- sys
- world

Query 1 x

```
4 • select * from bonus;
5 • select * from worker where firstName like 's%';
6 • select * from worker where salary between 10000 and 25000;
7
8 • select * from worker where department = 'cse' and firstName like 'j%';
9
10 • select * from worker order by salary desc;
```

Result Grid

	id	firstName	lastName	salary	joiningDate	department
▶	3	Shivkumar	Panchal	30000	2022-08-20	IT
▶	2	Monika	B A	22000	2022-08-09	CSE
▶	1	jeethendra	S R	10000	2022-08-17	CSE

worker 15 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 14	11:45:59	select * from worker where department = 'cse' and firstName like 'j%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 15	11:46:07	select * from worker where department = 'i' and firstName like 'j%' LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓ 16	11:46:11	select * from worker where department = 'cse' and firstName like 'j%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 17	11:47:40	select * from worker order by salary desc LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

5)calculate the maximum salary from each department where salary should be greater than 50000.

select department, max(salary) from worker where salary > 50000 group by department;





MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

cars

college

factory

Tables

bonus

title

worker

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

No object selected

Query 1

Limit to 1000 rows

7

8 • select \* from worker where department = 'cse' and firstName like 'j%';

9

10 • select \* from worker order by salary desc;

11

12

13 • select department, max(salary) from worker where salary > 50000 group by department;

Result Grid

Filter Rows:

Exports Wrap Cell Contents

department max(salary)

CSE 85000

IT 60000

Result 30 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
31	11:57:08	select * from worker where salary > 50000 group by department LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
32	11:58:12	select department, max(salary) from worker where salary > 50000 group by department LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
33	11:58:59	select department, max(salary) from worker group by department having salary > 50000 LIMIT 0, 1000	Error Code: 1054. Unknown column 'salary' in 'having clause'	0.000 sec
34	11:59:17	select department, max(salary) from worker where salary > 50000 group by department LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

6) write SQL query to fetch details of the workers who are also the managers.

select \* from worker as w join title as t on w.id = t.refId where t.workerTitle = 'Manager';

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

cars

college

factory

Tables

bonus

Columns

Indexes

Foreign Keys

Triggers

title

Columns

Indexes

Foreign Keys

Triggers

worker

Views

Stored Procedures

Functions

sakila

sys

world

Administration Schemas

Information

Table: bonus

Columns:

refId int PK

bonusDate date

bonusAmount int

Query 1

Limit to 1000 rows

11

12 • select \* from worker order by salary desc;

13

14

15 • select department, max(salary) from worker where salary > 50000 group by department;

16

17 • select \* from worker as w join title as t on w.id = t.refId where t.workerTitle = 'Manager';

Result Grid

Filter Rows:

Exports Wrap Cell Contents

id	firstName	lastName	salary	joiningDate	department	refId	workerTitle
2	Monika	B A	85000	2022-08-09	CSE	2	Manager
3	Shivkumar	Pandhal	60000	2022-08-20	IT	3	Manager

Result 46 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
56	12:12:42	select * from worker join title on worker.id = title.refId and title.workerTitle = 'Manager' LIMIT 0, 1000	Error Code: 1054. Unknown column 'title.workerTitle' in 'on clause'	0.016 sec
57	12:12:48	select * from worker join title on worker.id = title.refId LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
58	12:14:10	select * from worker as w join title as t on w.id = t.refId LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
59	12:14:39	select * from worker as w join title as t on w.id = t.refId where t.workerTitle = 'Manager' LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Object Info Session



