Name : Yash Lakhtariya
Enrollement number : 21162101012
Branch : CBA , Batch – 31
DBMS Practical 6

Institute of computer technology

Ganpat university

B.tech. CSE (CBA/BDA/CS)

(2CSE301) DATABASE MANAGEMENT SYSTEM

PRACTICAL 6

The SQL **GROUP BY** clause is used in collaboration with the SELECT statement to arrange identical data into groups. This GROUP BY clause follows the WHERE clause in a SELECT statement and precedes the ORDER BY clause.

Syntax

The basic syntax of a GROUP BY clause is shown in the following code block. The GROUP BY clause must follow the conditions in the WHERE clause and must precede the ORDER BY clause if one is used.

```
SELECT column1, column2
FROM table_name
WHERE [ conditions ]
GROUP BY column1, column2
ORDER BY column1, column2
```

```
SELECT column1, column2
FROM table_name
GROUP BY column1, column2
Having [CONDITION]
```

Example

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Consider the CUSTOMERS table is having the following records –

```
+----+----------+-----+-----------+----------+
| ID | NAME | AGE | ADDRESS | SALARY |
+----+----------+-----+-----------+----------+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Khilan | 25 | Delhi | 1500.00 |
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | Chaitali | 25 | Mumbai | 6500.00 |
| 5 | Hardik | 27 | Bhopal | 8500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
+----+----------+-----+-----------+----------+
```

If you want to know the total amount of the salary on each customer, then the GROUP BY query would be as follows.

```
SQL> SELECT NAME, SUM(SALARY) FROM CUSTOMERS
GROUP BY NAME;
```

This would produce the following result –

```
+----------+-------------+
| NAME | SUM(SALARY) |
+----------+-------------+
| Chaitali | 6500.00 |
| Hardik | 8500.00 |
| kaushik | 2000.00 |
| Khilan | 1500.00 |
| Komal | 4500.00 |
| Muffy | 10000.00 |
| Ramesh | 2000.00 |
+----------+-------------+
```

Now, let us look at a table where the CUSTOMERS table has the following records with duplicate names –

```
+----+----------+-----+-----------+----------+
| ID | NAME | AGE | ADDRESS | SALARY |
+----+----------+-----+-----------+----------+
| 1 | Ramesh | 32 | Ahmedabad | 2000.00 |
| 2 | Ramesh | 25 | Delhi | 1500.00 |
| 3 | kaushik | 23 | Kota | 2000.00 |
| 4 | kaushik | 25 | Mumbai | 6500.00 |
| 5 | Hardik | 27 | Bhopal | 8500.00 |
| 6 | Komal | 22 | MP | 4500.00 |
| 7 | Muffy | 24 | Indore | 10000.00 |
+----+----------+-----+-----------+----------+
```

Now again, if you want to know the total amount of salary on each customer, then the GROUP BY query would be as follows –

```
SQL> SELECT NAME, SUM(SALARY) FROM CUSTOMERS
GROUP BY NAME;
```

This would produce the following result –

```
+---------+-------------+
| NAME | SUM(SALARY) |
+---------+-------------+
| Hardik | 8500.00 |
| kaushik | 8500.00 |
| Komal | 4500.00 |
| Muffy | 10000.00 |
| Ramesh | 3500.00 |
+---------+-------------+
```

The SQL HAVING Clause

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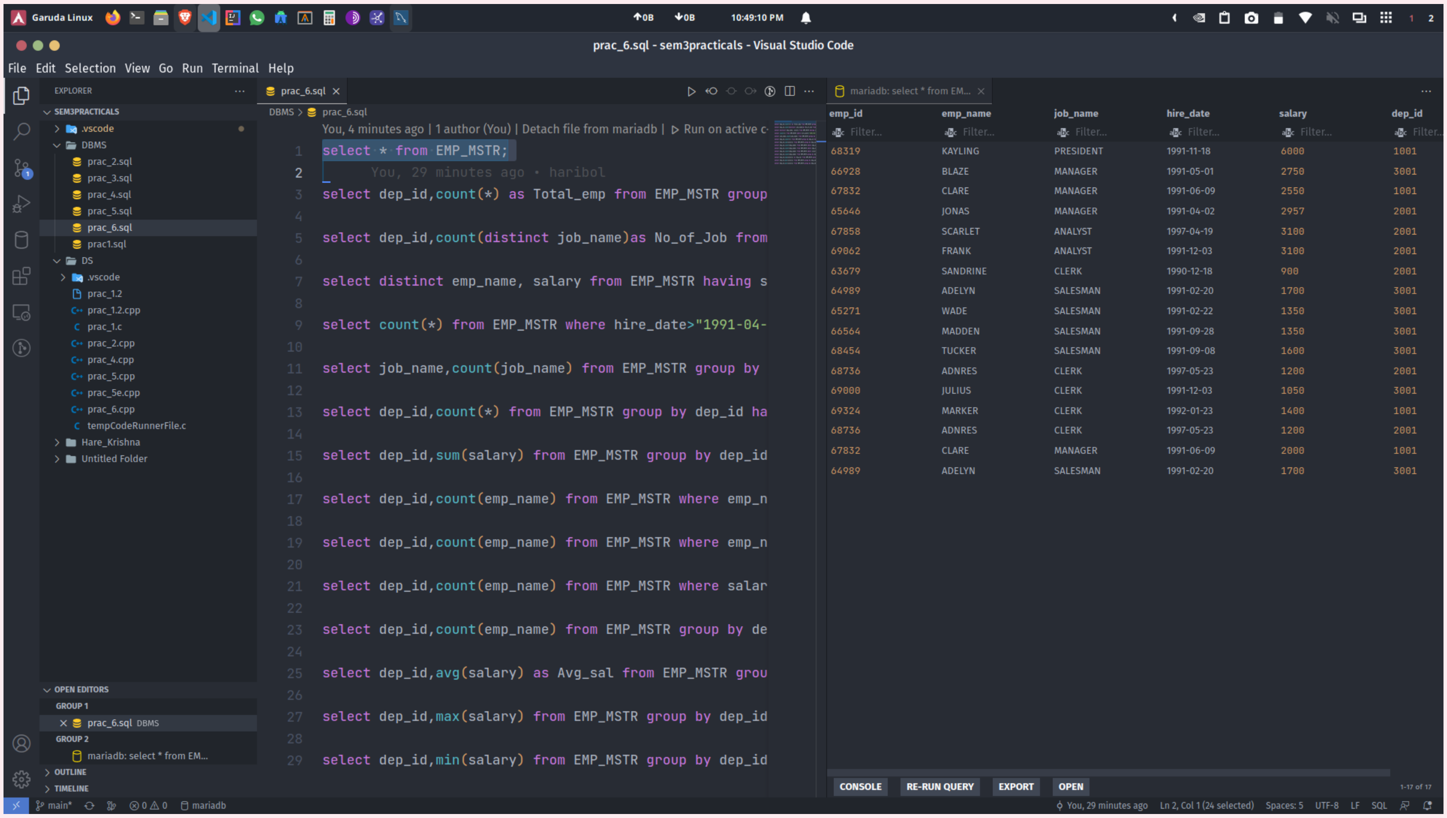
The HAVING clause was added to SQL because the WHERE keyword cannot be used with aggregate functions.

Queries and Outputs :

```
select * from EMP_MSTR;
```



prac_6.sql - sem3practicals - Visual Studio Code
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EXPLORER
prac_6.sql
mariadb: select * from EM...
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CONSOLE
RE-RUN QUERY
EXPORT
OPEN
1-17 of 17

```
select * from EMP_MSTR;
      You, 29 minutes ago • haribol
select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

emp_id	emp_name	job_name	hire_date	salary	dep_id
68319	KAYLING	PRESIDENT	1991-11-18	6000	1001
66928	BLAZE	MANAGER	1991-05-01	2750	3001
67832	CLARE	MANAGER	1991-06-09	2550	1001
65646	JONAS	MANAGER	1991-04-02	2957	2001
67858	SCARLET	ANALYST	1997-04-19	3100	2001
69062	FRANK	ANALYST	1991-12-03	3100	2001
63679	SANDRINE	CLERK	1990-12-18	900	2001
64989	ADELYN	SALESMAN	1991-02-20	1700	3001
65271	WADE	SALESMAN	1991-02-22	1350	3001
66564	MADDEN	SALESMAN	1991-09-28	1350	3001
68454	TUCKER	SALESMAN	1991-09-08	1600	3001
68736	ADNRES	CLERK	1997-05-23	1200	2001
69000	JULIUS	CLERK	1991-12-03	1050	3001
69324	MARKER	CLERK	1992-01-23	1400	1001
68736	ADNRES	CLERK	1997-05-23	1200	2001
67832	CLARE	MANAGER	1991-06-09	2000	1001
64989	ADELYN	SALESMAN	1991-02-20	1700	3001

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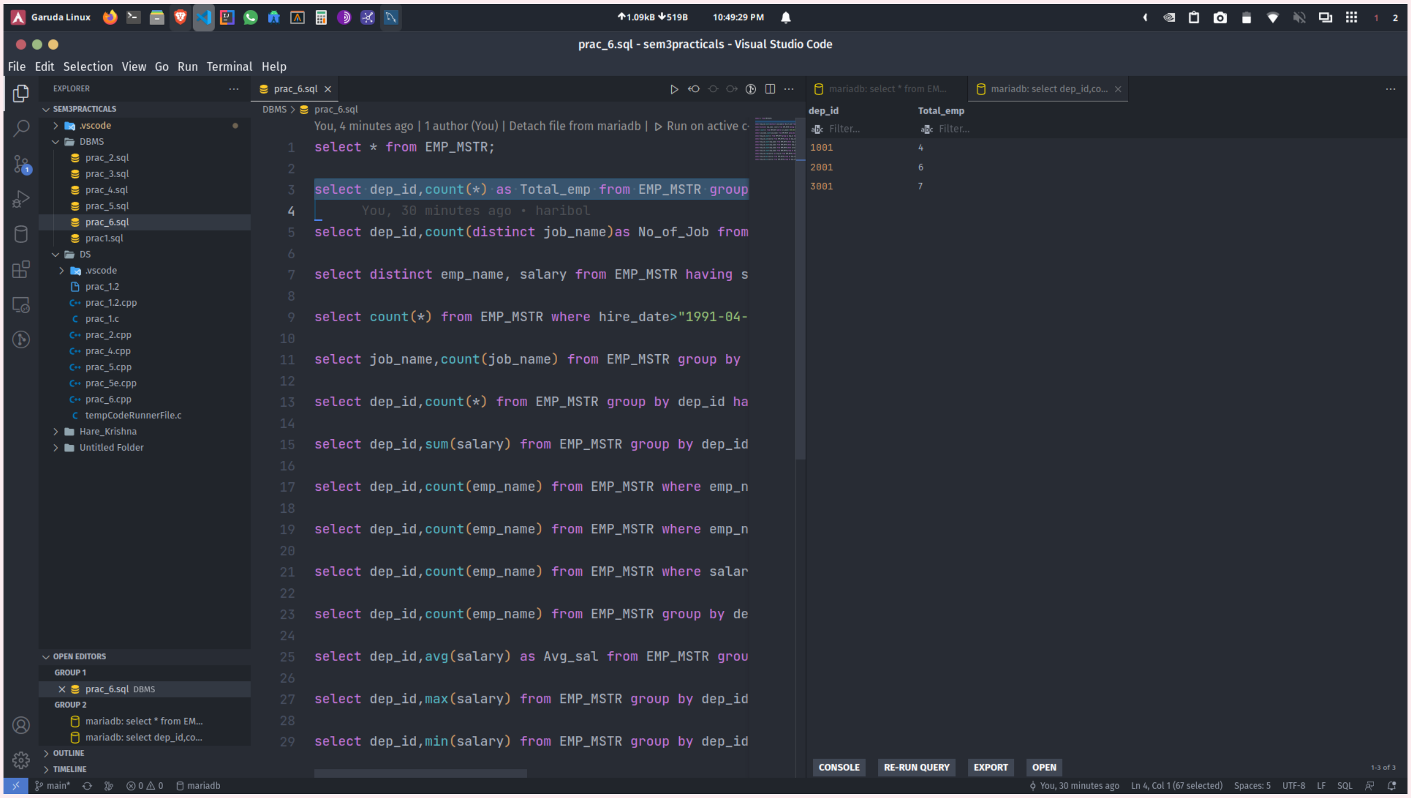
1) How many employees are there in each department?

```
select dep_id,count(*) as Total_emp from EMP_MSTR group by
dep_id;
```



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```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group
      You, 30 minutes ago • haribol
select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	Total_emp
1001	4
2001	6
3001	7

Name : Yash Lakhtariya
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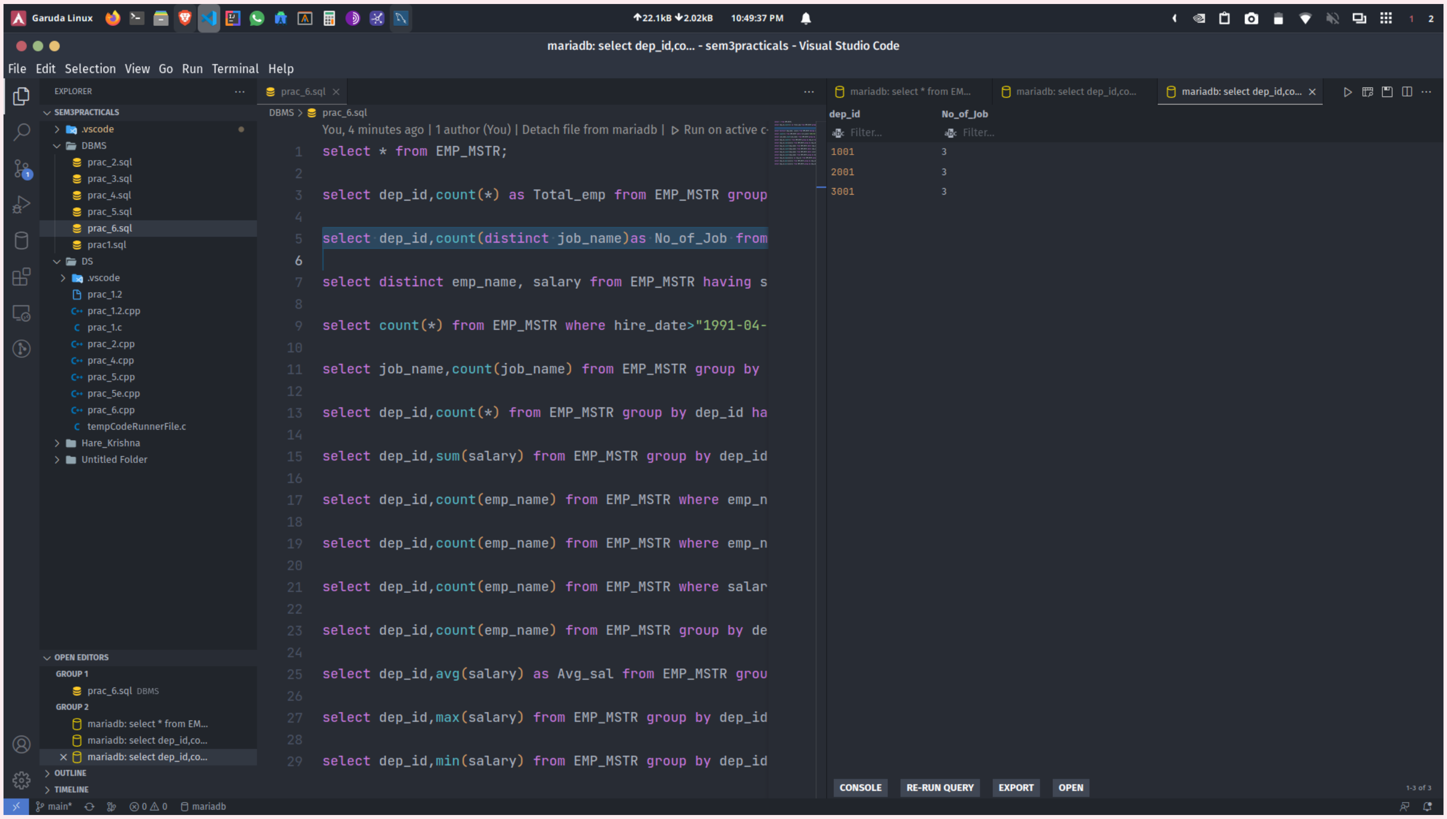
2) Find out total number of job role assigned in each department.

```
select dep_id,count(distinct job_name)as No_of_Job from EMP_MSTR
group by dep_id;
```



```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from


select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	No_of_Job
1001	3
2001	3
3001	3

mariadb: select dep_id,co... - sem3practicals - Visual Studio Code
prac_6.sql
CONSOLE
RE-RUN QUERY
EXPORT
OPEN
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3) Find out employee's names and salary whose having salary more than 2000. (Duplication in employee name should be removed)

```
select distinct emp_name, salary from EMP_MSTR having
salary>2000;
```

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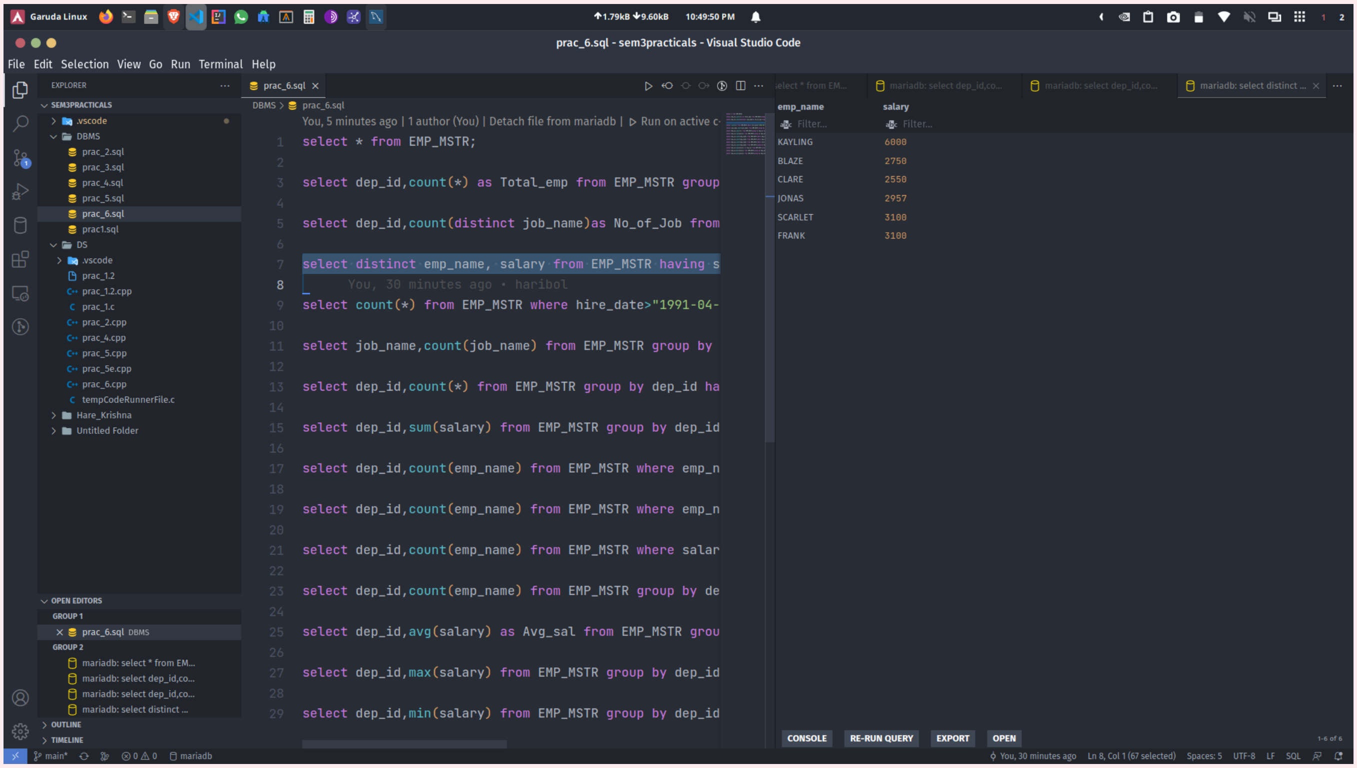

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```sql
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s
      You, 30 minutes ago • haribol
select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

emp_name	salary
KAYLING	6000
BLAZE	2750
CLARE	2550
JONAS	2957
SCARLET	3100
FRANK	3100

4) Find out number of employees hired after 03rd April 1991.

```sql
select count(*) from EMP_MSTR where hire_date>"1991-04-03";
```

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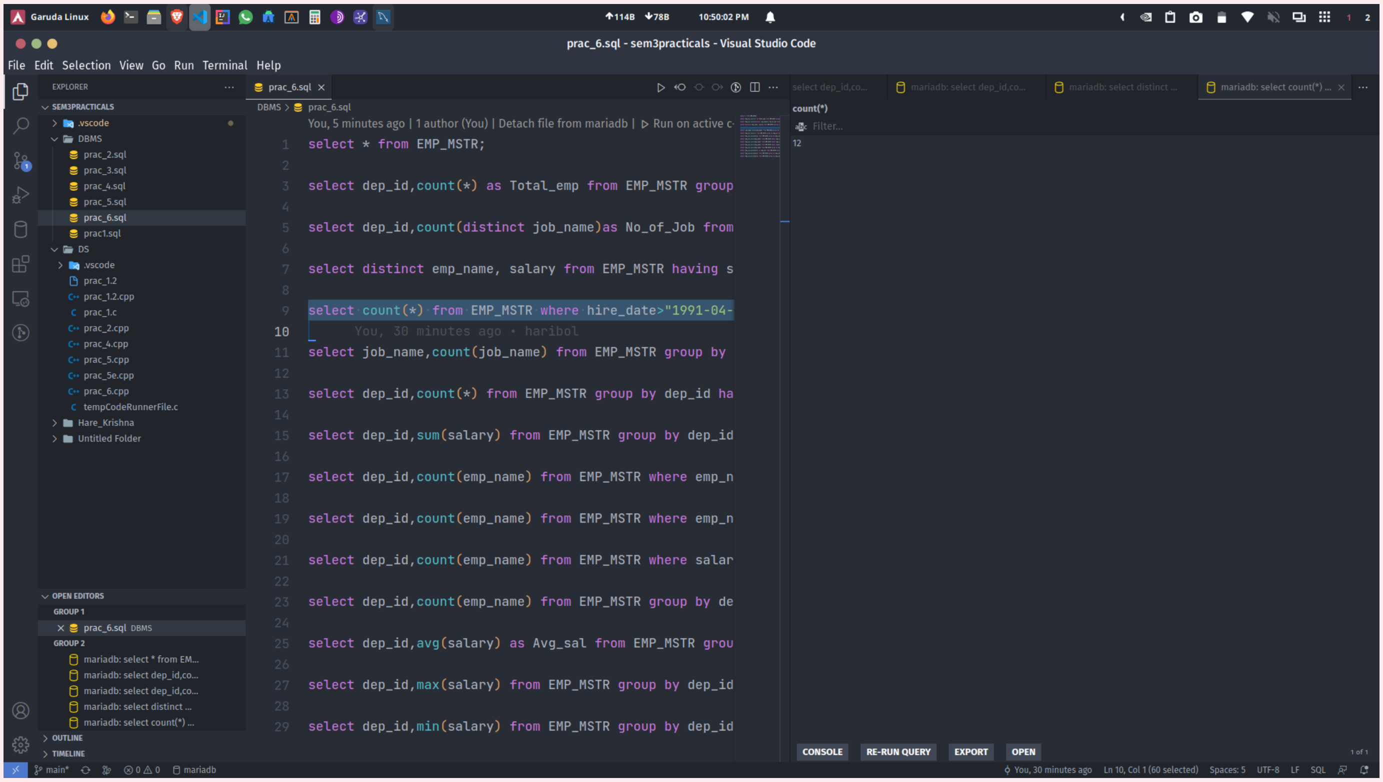
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RE-RUN QUERY
EXPORT
OPEN

```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-
        You, 30 minutes ago • haribol
select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

count(*)
12

5) lists the number of employees in each job role, sorted high to low.

```
select job_name,count(job_name) from EMP_MSTR group by job_name order by count(job_name) desc;
```

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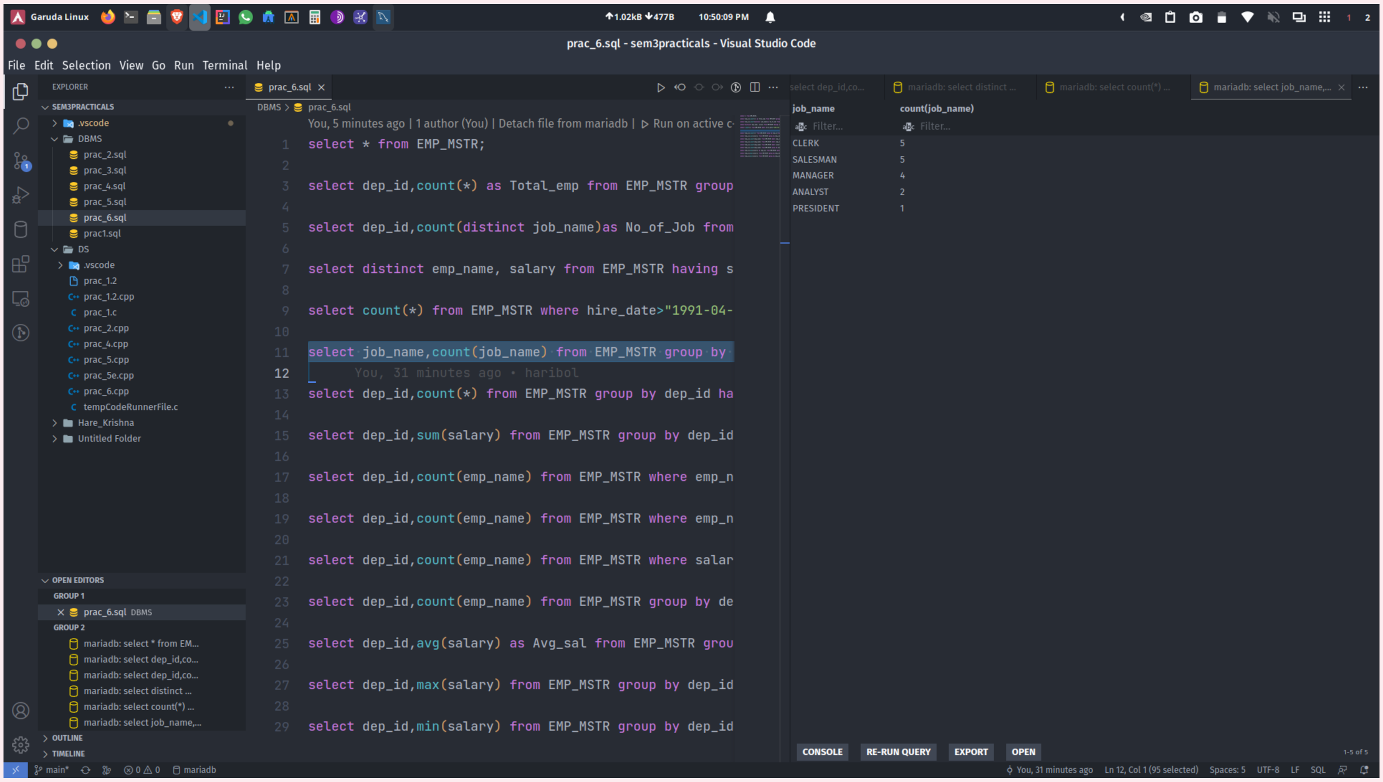

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```sql
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by
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select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

mariadb: select job_name,...

job_name	count(job_name)
CLERK	5
SALESMAN	5
MANAGER	4
ANALYST	2
PRESIDENT	1

6) lists the number of employees in each department. Only include department with more than 3 employees in each.

```sql
select dep_id,count(*) from EMP_MSTR group by dep_id having
count(*)>3;
```

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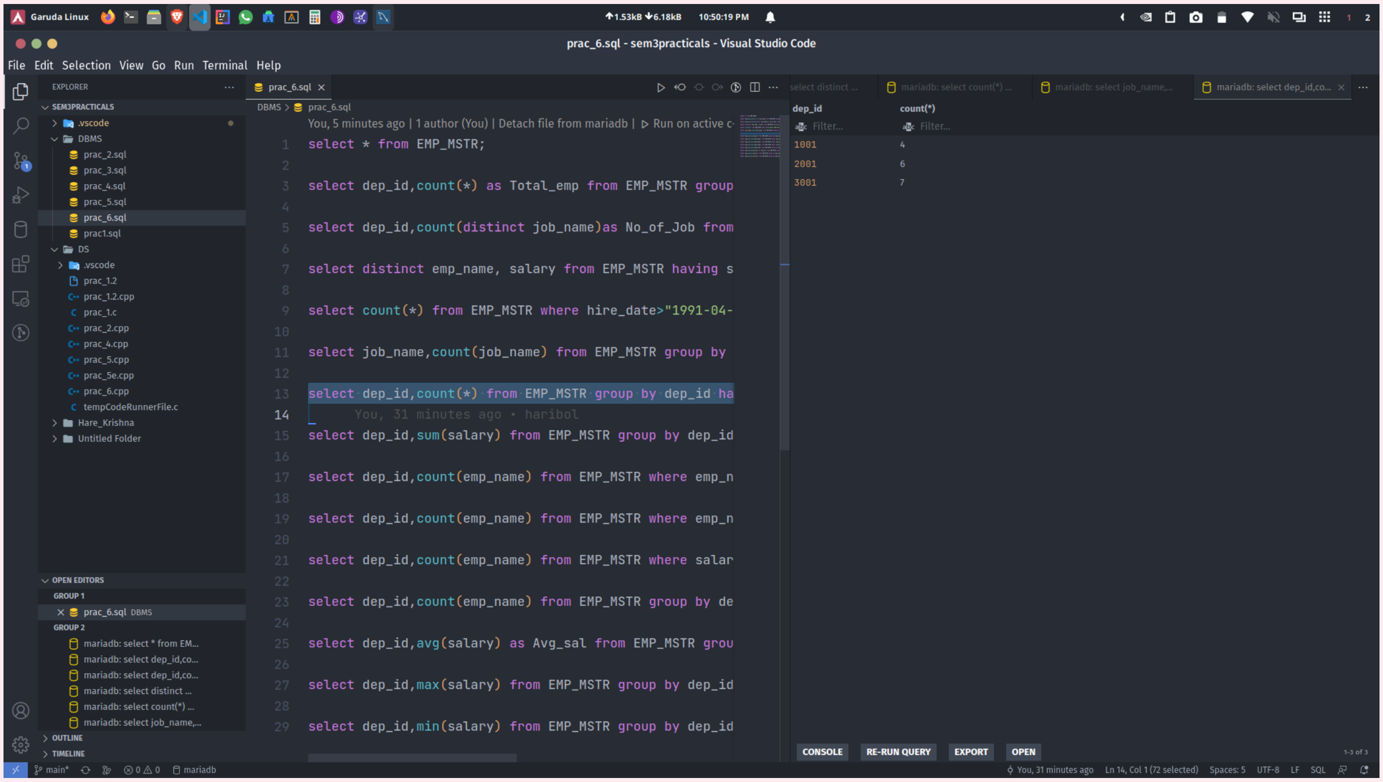

```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha
        You, 31 minutes ago • haribol
select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	count(*)
1001	4
2001	6
3001	7

7) Display the total amount of the salary on each department.

```
select dep_id,sum(salary) from EMP_MSTR group by dep_id;
```

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Branch : CBA , Batch – 31
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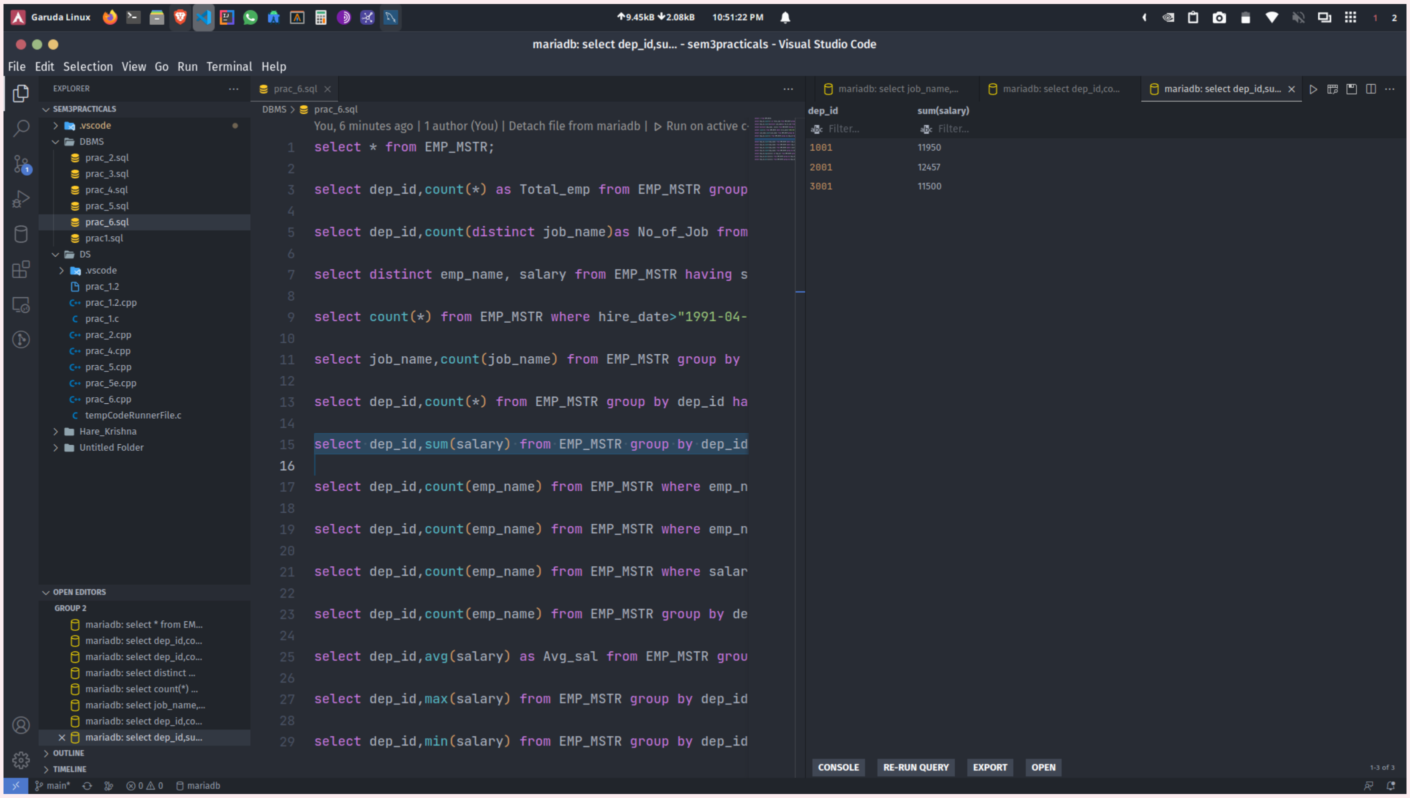
mariadb: select dep_id,su... - sem3practicals - Visual Studio Code
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```
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select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id


select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	sum(salary)
1001	11950
2001	12457
3001	11500

8) Count total number of employees assigned in each department whose name end with “n”.

```
select dep_id,count(emp_name) from EMP_MSTR where emp_name like
'%n' group by dep_id;
```

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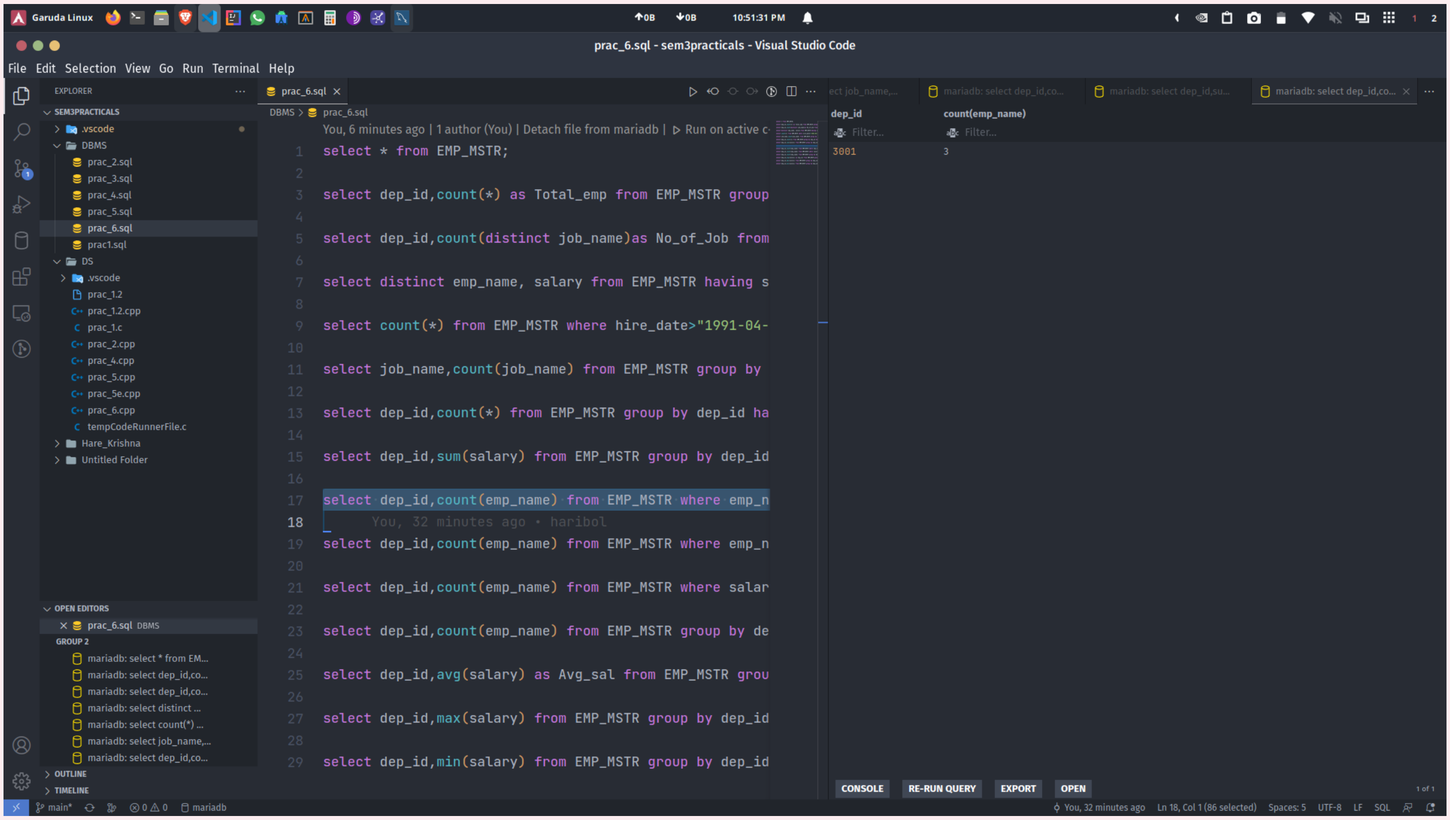
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prac_3.sql
prac_4.sql
prac_5.sql
prac_6.sql
prac1.sql
DS
.vscode
prac_1.2
prac_1.2.cpp
prac_1.c
prac_2.cpp
prac_4.cpp
prac_5.cpp
prac_5e.cpp
prac_6.cpp
tempCodeRunnerFile.c
Hare_Krishna
Untitled Folder
OPEN EDITORS
prac_6.sql DBMS
GROUP 2
mariadb: select * from EM...
mariadb: select dep_id,co...
mariadb: select dep_id,co...
mariadb: select distinct ...
mariadb: select count(*) ...
mariadb: select job_name,...
mariadb: select dep_id,co...
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mariadb: select dep_id,co...
mariadb: select dep_id,su...
mariadb: select dep_id,co...
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OPEN
1 of 1
main* ⊗ 0 ⚠ 0 mariadb
You, 32 minutes ago Ln 18, Col 1 (86 selected) Spaces: 5 UTF-8 LF SQL

```sql
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n
        You, 32 minutes ago • haribol
select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	count(emp_name)
3001	3

9) Find out total number of employees having "a" as a character in their name in each department.

```sql
select dep_id,count(emp_name) from EMP_MSTR where emp_name like
'%a%' group by dep_id;
```

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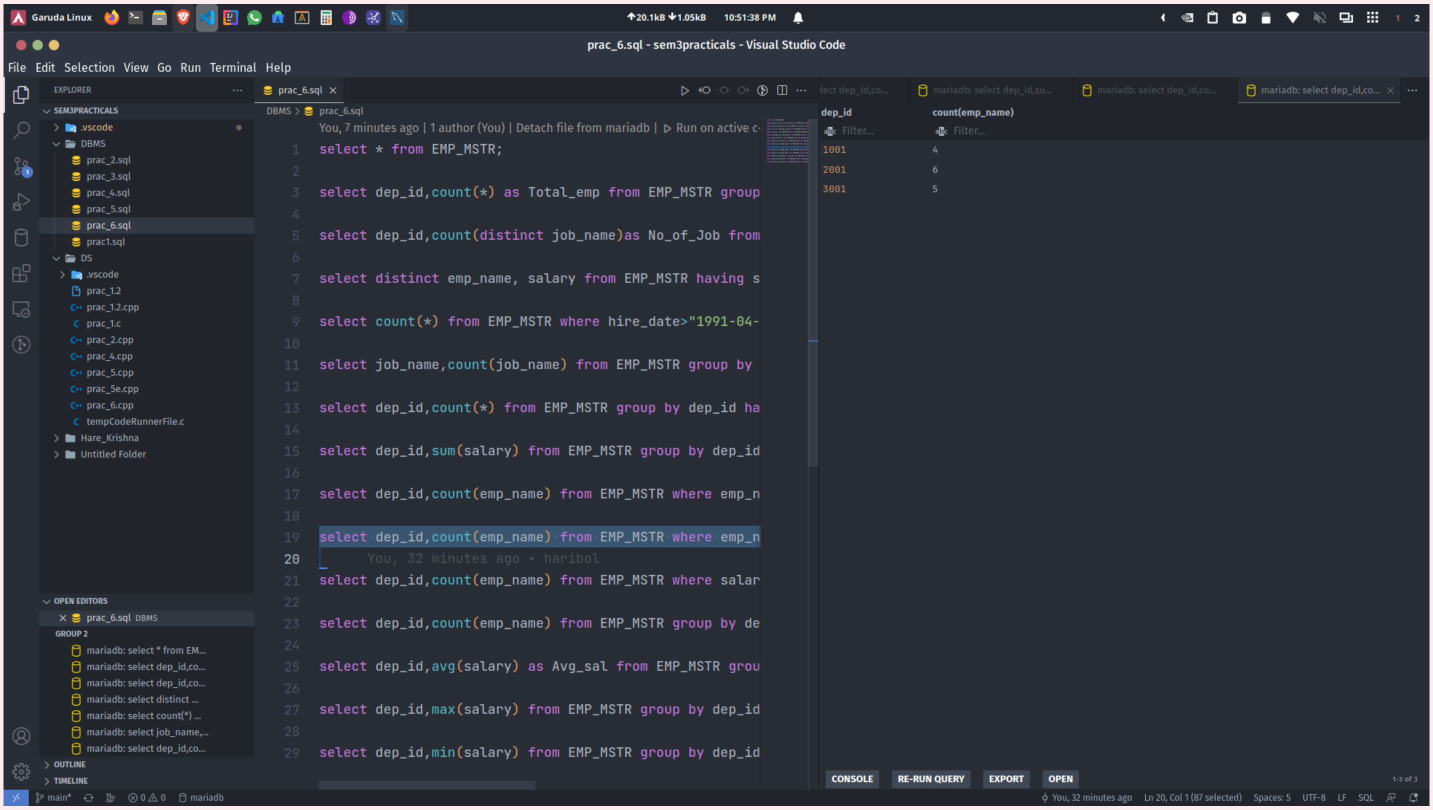

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DBMS > prac_6.sql
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CONSOLE
RE-RUN QUERY
EXPORT
OPEN

```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n
        You, 32 minutes ago • haribol
select dep_id,count(emp_name) from EMP_MSTR where salar

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select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	count(emp_name)
1001	4
2001	6
3001	5

10) Find out total number of employees having salary more than average salary of all the employee in each department.

```
select dep_id,count(emp_name) from EMP_MSTR where salary >
(select avg(salary) from EMP_MSTR) group by dep_id;
```

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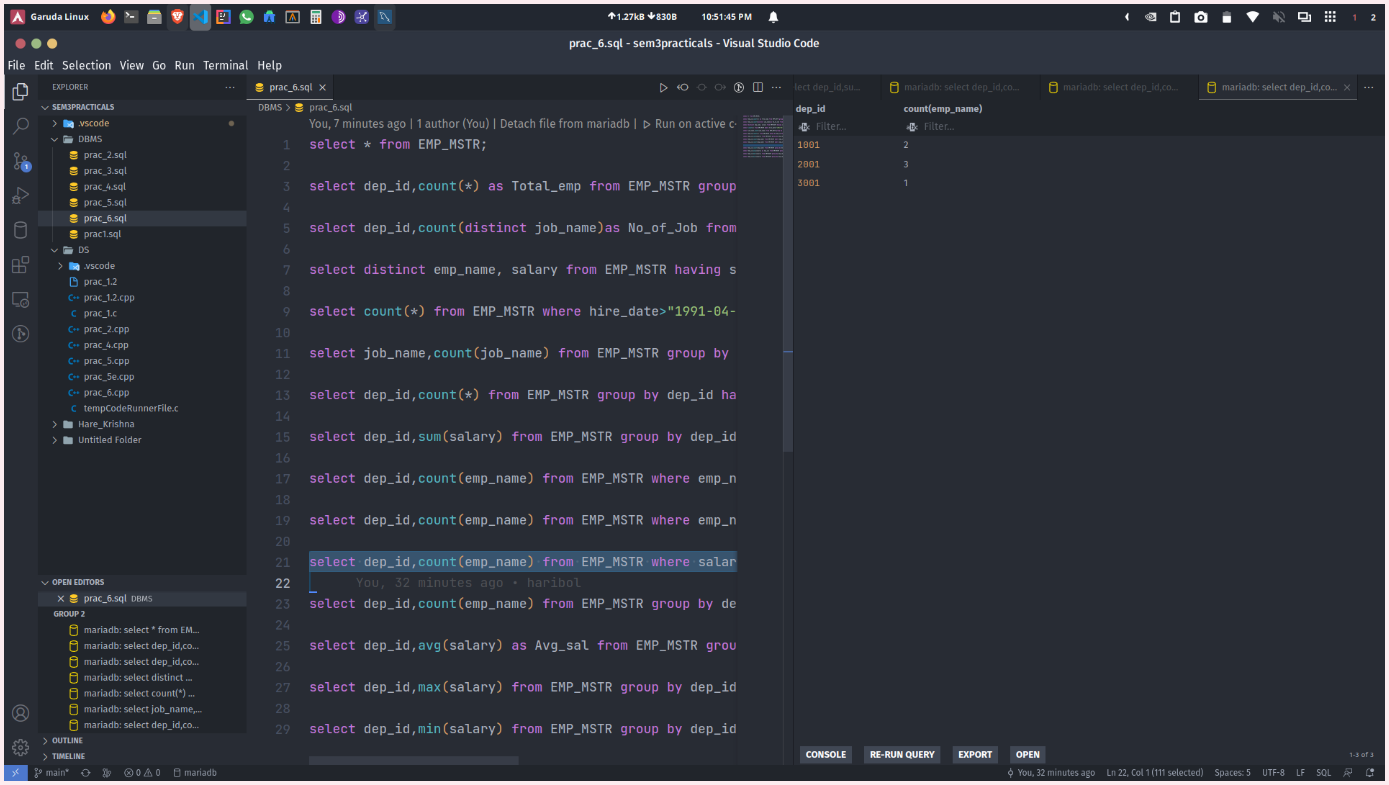
prac_6.sql - sem3practicals - Visual Studio Code
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mariadb: select dep_id,co...
CONSOLE
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EXPORT
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```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar
        You, 32 minutes ago • haribol
select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	count(emp_name)
1001	2
2001	3
3001	1

11)Display total number of employees in each department whose department having more than 2 employees also display department id in descending order.

```
select dep_id,count(emp_name) from EMP_MSTR group by dep_id
having count(emp_name)>2 order by dep_id desc;
```

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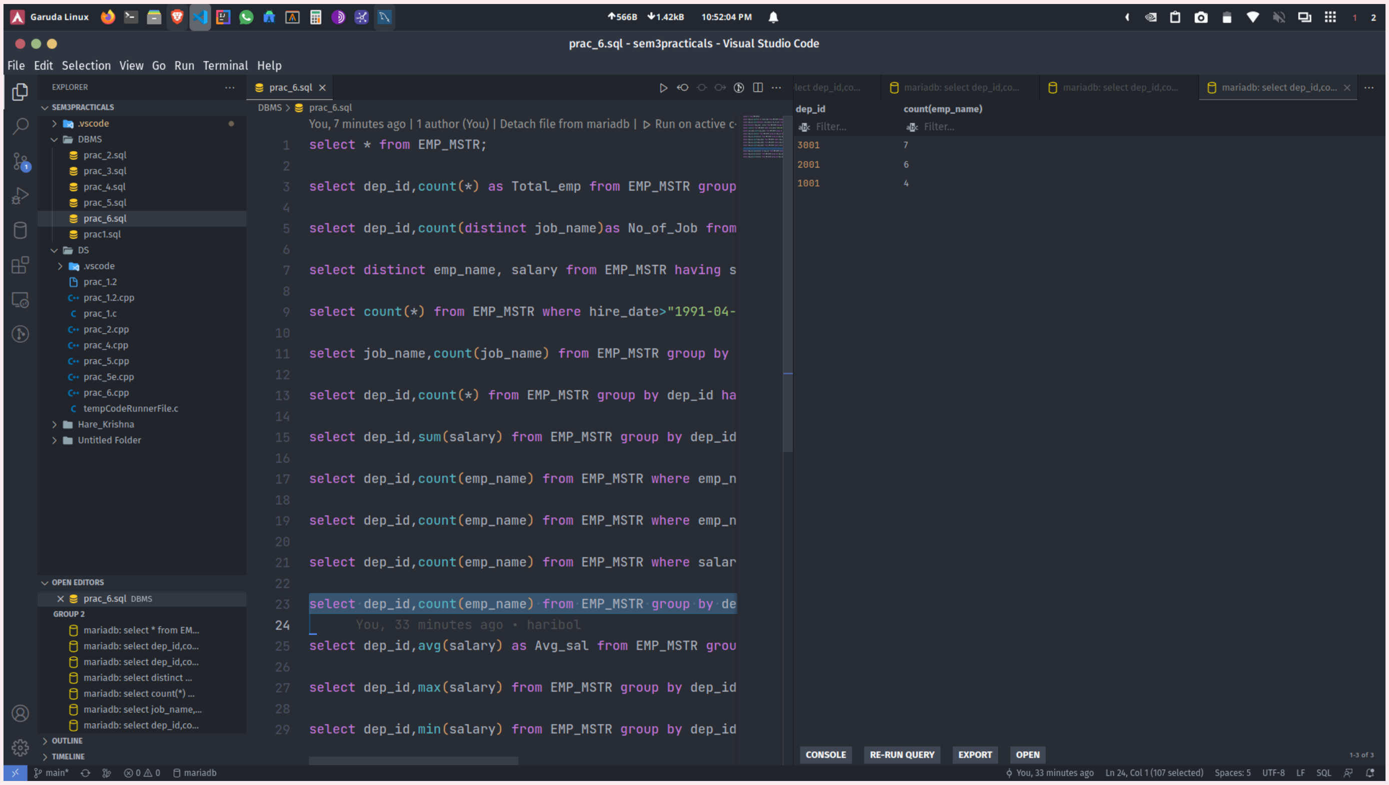
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prac_6.sql - sem3practicals - Visual Studio Code
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DBMS
prac_2.sql
prac_3.sql
prac_4.sql
prac_5.sql
prac_6.sql
prac1.sql
DS
.vscode
prac_1.2
prac_1.2.cpp
prac_1.c
prac_2.cpp
prac_4.cpp
prac_5.cpp
prac_5e.cpp
prac_6.cpp
tempCodeRunnerFile.c
Hare_Krishna
Untitled Folder
OPEN EDITORS
prac_6.sql DBMS
GROUP 2
mariadb: select * from EM...
mariadb: select dep_id,co...
mariadb: select dep_id,co...
mariadb: select distinct ...
mariadb: select count(*) ...
mariadb: select job_name,...
mariadb: select dep_id,co...
OUTLINE
TIMELINE
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mariadb
prac_6.sql
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Filter...
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EXPORT
OPEN
1-3 of 3
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SQL

```sql
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de
       You, 33 minutes ago • haribol
select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	count(emp_name)
3001	7
2001	6
1001	4

12) Display department wise average salary of employee.

```sql
select dep_id,avg(salary) as Avg_sal from EMP_MSTR group by dep_id;
```

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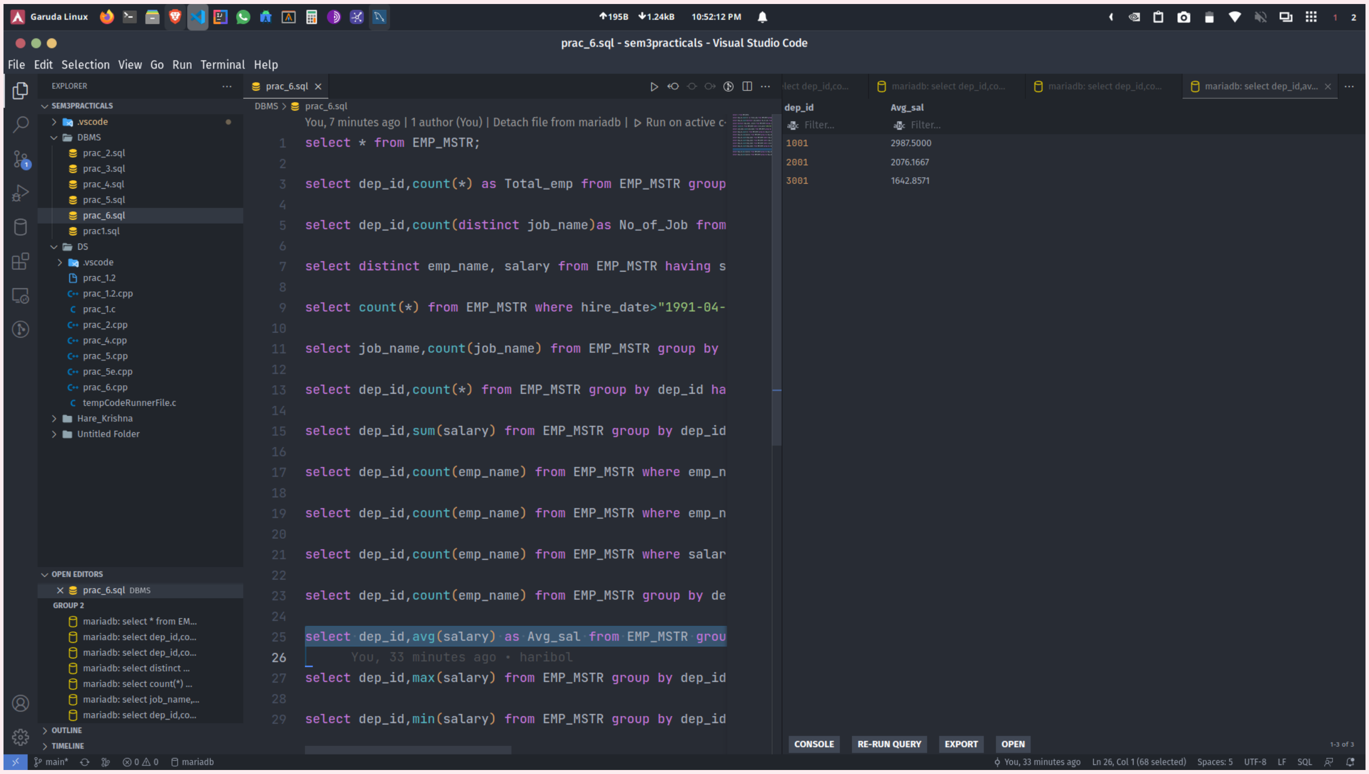
prac_6.sql - sem3practicals - Visual Studio Code
File Edit Selection View Go Run Terminal Help
EXPLORER
SEM3PRACTICALS
prac_6.sql
CONSOLE
RE-RUN QUERY
EXPORT
OPEN

```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	Avg_sal
1001	2987.5000
2001	2076.1667
3001	1642.8571

13)Display name of the employee along with salary whose salary is maximum in respective department.

```
select dep_id,max(salary) from EMP_MSTR group by dep_id;
```

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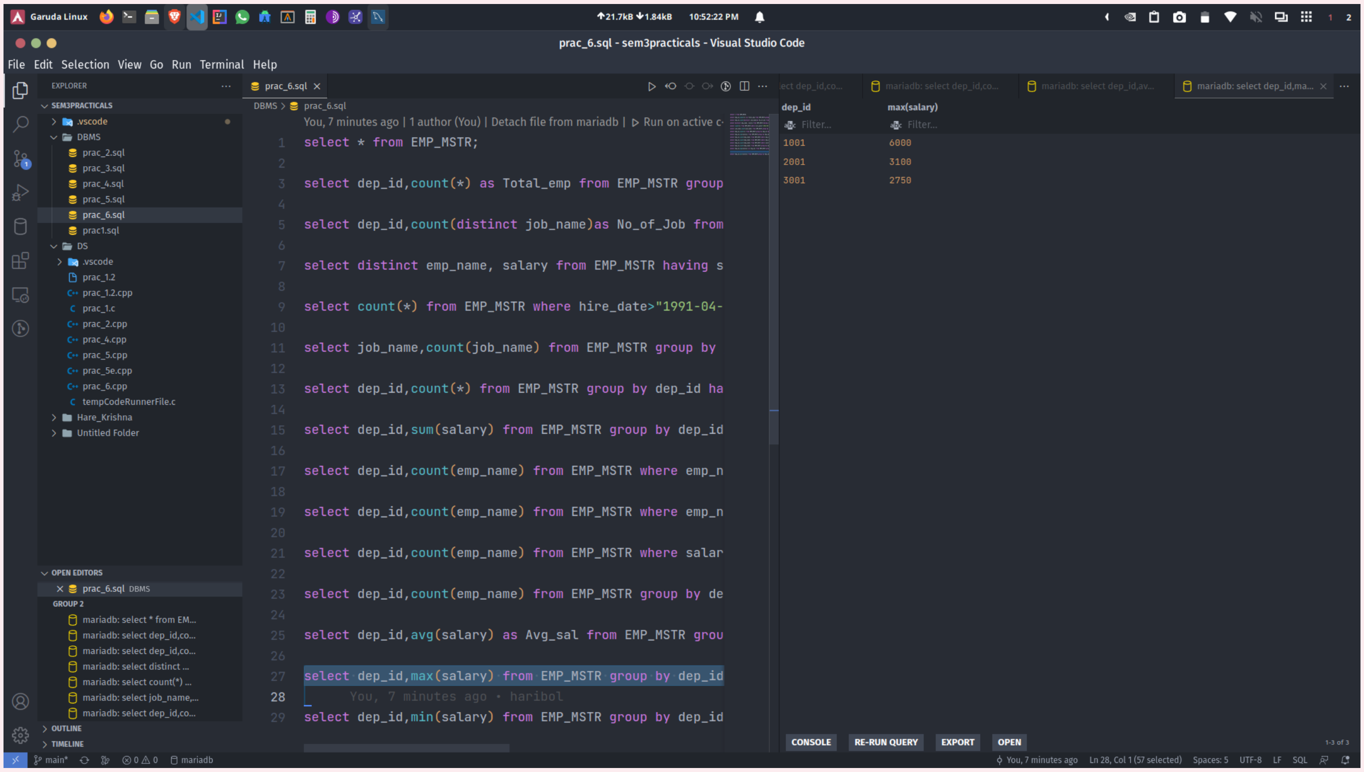
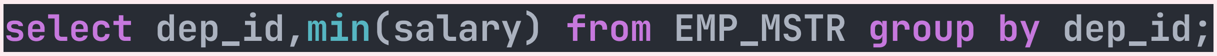


prac_6.sql - sem3practicals - Visual Studio Code

```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id
        You, 7 minutes ago • haribol
select dep_id,min(salary) from EMP_MSTR group by dep_id
```

dep_id	max(salary)
1001	6000
2001	3100
3001	2750

14)Display name of the employee along with salary whose salary is minimum in respective department.



```
select dep_id,min(salary) from EMP_MSTR group by dep_id;
```

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Branch : CBA , Batch – 31
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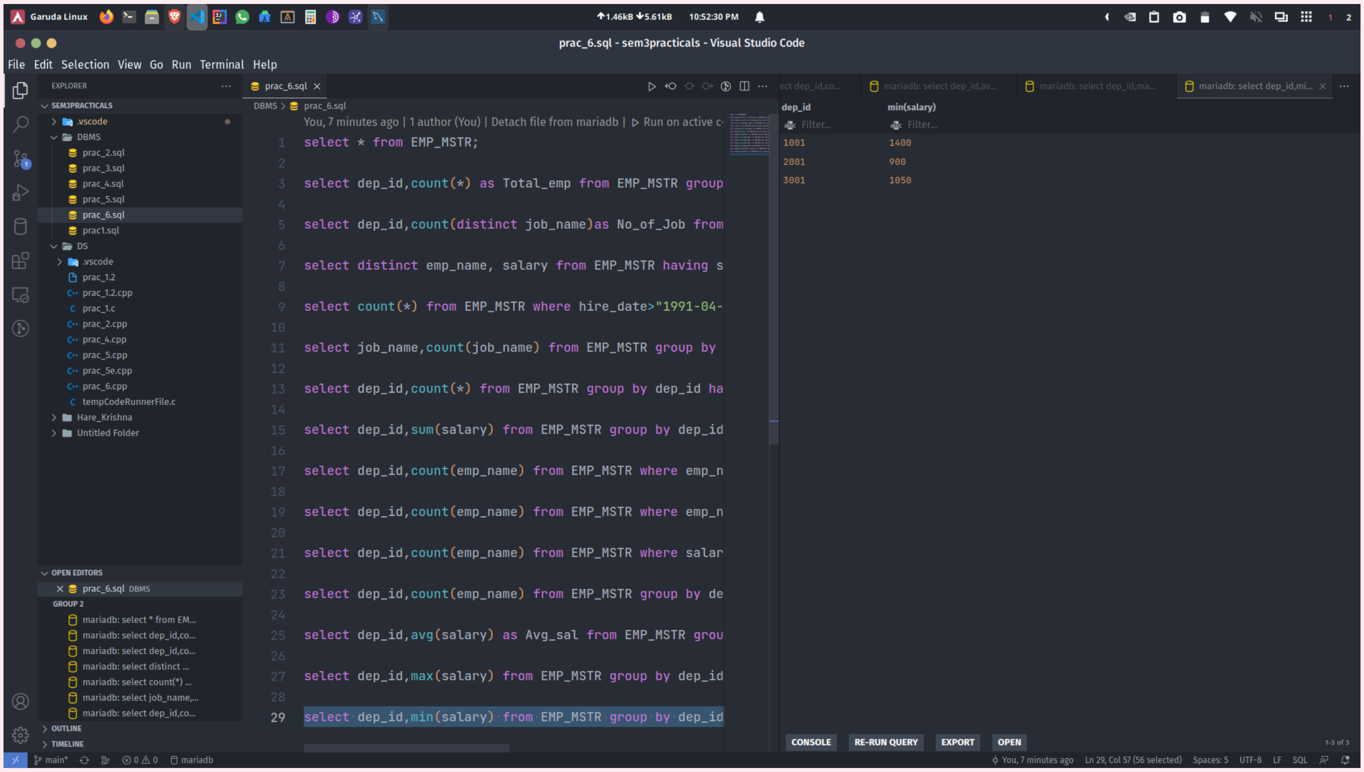

prac_6.sql - sem3practicals - Visual Studio Code
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DBMS > prac_6.sql
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mariadb: select dep_id,mi...
CONSOLE
RE-RUN QUERY
EXPORT
OPEN
Ln 29, Col 57 (56 selected)

```
select * from EMP_MSTR;

select dep_id,count(*) as Total_emp from EMP_MSTR group

select dep_id,count(distinct job_name)as No_of_Job from

select distinct emp_name, salary from EMP_MSTR having s

select count(*) from EMP_MSTR where hire_date>"1991-04-

select job_name,count(job_name) from EMP_MSTR group by

select dep_id,count(*) from EMP_MSTR group by dep_id ha

select dep_id,sum(salary) from EMP_MSTR group by dep_id

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where emp_n

select dep_id,count(emp_name) from EMP_MSTR where salar

select dep_id,count(emp_name) from EMP_MSTR group by de

select dep_id,avg(salary) as Avg_sal from EMP_MSTR grou

select dep_id,max(salary) from EMP_MSTR group by dep_id

select dep_id,min(salary) from EMP_MSTR group by dep_id
```

```
dep_id      min(salary)
1001        1400
2001        900
3001        1050
```