

LAB 6

Microsoft Windows [Version 10.0.22631.3880]

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C:\Users\user>mysql -u root -p

Enter password: ****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 11

Server version: 8.0.38 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+-----+

| Database |

+-----+

| information_schema |

| mysql |

| performance_schema |

| gaurav |

| sys |

+-----+

5 rows in set (0.00 sec)

```
mysql> drop database gaurav;
```

Query OK, 5 rows affected (0.06 sec)

```
mysql> create database gaurav;
```

Query OK, 1 row affected (0.01 sec)

```
mysql> use gaurav;
```

Database changed

```
mysql> create table emp(eno int,ename varchar(50),addr varchar(100),post varchar(50),dept int,sal
int,deptid int);
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> desc emp;
```

Field	Type	Null	Key	Default	Extra
eno	int	YES		NULL	
ename	varchar(50)	YES		NULL	
addr	varchar(100)	YES		NULL	
post	varchar(50)	YES		NULL	
dept	int	YES		NULL	
sal	int	YES		NULL	
deptid	int	YES		NULL	

7 rows in set (0.01 sec)

```
mysql> create table dept(deptid int,deptname varchar(50));
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> desc dept;
```

Field	Type	Null	Key	Default	Extra
-------	------	------	-----	---------	-------

Field	Type	Null	Key	Default	Extra
deptid	int	YES		NULL	
deptname	varchar(50)	YES		NULL	

2 rows in set (0.01 sec)

```
mysql> insert into emp(eno,ename,addr,post,dept,sal,deptid)
```

-> Values

```
-> (1,'John Doe','Ktm','Manager',1,50000,null),
-> (2,'Jane Eyre','Pkr','Supervisor',2,9000,null),
-> (3,'Mark Smith','Pkr','Clerk',1,3000,null),
-> (4,'Emily Bronte','Biratnagar','Assistant',2,2500,null),
-> (5,'David Schwimmer','Pkr','Lecturer',3,3500,null);
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> select * from emp;
```

eno	ename	addr	post	dept	sal	deptid
1	John Doe	Ktm	Manager	1	50000	NULL
2	Jane Eyre	Pkr	Supervisor	2	9000	NULL
3	Mark Smith	Pkr	Clerk	1	3000	NULL
4	Emily Bronte	Biratnagar	Assistant	2	2500	NULL
5	David Schwimmer	Pkr	Lecturer	3	3500	NULL

5 rows in set (0.00 sec)

```
mysql> create view location as select * from emp where addr='Pkr';
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from location;
```

eno	ename	addr	post	dept	sal	deptid
2	Jane Eyre	Pkr	Supervisor	2	9000	NULL
3	Mark Smith	Pkr	Clerk	1	3000	NULL
5	David Schwimmer	Pkr	Lecturer	3	3500	NULL

```
3 rows in set (0.00 sec)
```

```
mysql> create view search_eno as select * from emp where eno = 5;
```

```
Query OK, 0 rows affected (0.00 sec)
```

```
mysql> select * from search_eno;
```

eno	ename	addr	post	dept	sal	deptid
5	David Schwimmer	Pkr	Lecturer	3	3500	NULL

```
1 row in set (0.00 sec)
```

```
mysql> select * from location where post = 'Lecturer';
```

eno	ename	addr	post	dept	sal	deptid
5	David Schwimmer	Pkr	Lecturer	3	3500	NULL

```
1 row in set (0.00 sec)
```

```
mysql> select * from location where post = 'Manager';
```

Empty set (0.00 sec)

```
mysql> insert into dept(deptid,deptname)
```

```
-> values
```

```
-> (101,'Department 1'),
```

```
-> (102,'Department 2'),
```

```
-> (103,'Department 3');
```

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

```
mysql> create VIEW Department as select d.Deptname,COUNT(e.Eno) as NumEmployees,Sum(e.sal) as TotalSalaryInvested from emp e JOIN Dept d ON e.Dept = d.Deptid WHERE d.Deptname = 'Department 1' group by d.Deptname;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from depratment;
```

ERROR 1146 (42S02): Table 'gaurav.depratment' doesn't exist

```
mysql> select * from department;
```

Empty set (0.01 sec)

```
mysql> create view empdetail as select * from emp where dept = 2;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from empdetail;
```

eno	ename	addr	post	dept	sal	deptid
2	Jane Eyre	Pkr	Supervisor	2	9000	NULL
4	Emily Bronte	Biratnagar	Assistant	2	2500	NULL

2 rows in set (0.00 sec)

mysql>