LAB 1 and 2

Setting environment for using XAMPP for Windows.

user@gaurav c:\xampp

cd C:\xampp\mysql\bin

user@gaurav C:\xampp\mysql\bin

mysql -u root -p

Enter password:

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

Your MariaDB connection id is 9

Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database gaurav;

ERROR 1007 (HY000): Can't create database 'gaurav'; database exists

MariaDB [(none)]> use gaurav

Database changed

MariaDB [gaurav]> create table student(sname nvarchar(20)not null,rollno int not null,dob datetime not null);

Query OK, 0 rows affected (0.017 sec)

MariaDB [gaurav]> create table emp(empno int,ename nvarchar(20)not null,job nvarchar(10)not null,deptno int,sal int);

Query OK, 0 rows affected (0.016 sec)

MariaDB [gaurav]> desc emp;

+--------+-------------+------+-----+---------+-------+

```
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| empno  | int(11)     | YES  |     | NULL    |       |
| ename  | varchar(20) | NO   |     | NULL    |       |
| job    | varchar(10) | NO   |     | NULL    |       |
| deptno | int(11)     | YES  |     | NULL    |       |
| sal    | int(11)     | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
5 rows in set (0.028 sec)
```

MariaDB [gaurav]> desc student;
```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| sname  | varchar(20) | NO   |     | NULL    |       |
| rollno | int(11)     | NO   |     | NULL    |       |
| dob    | datetime    | NO   |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
3 rows in set (0.011 sec)
```

MariaDB [gaurav]> alter table emp add experience int;
Query OK, 0 rows affected (0.018 sec)
Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gaurav]> desc emp;
```
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| empno      | int(11)     | YES  |     | NULL    |       |
| ename      | varchar(20) | NO   |     | NULL    |       |
| job        | varchar(10) | NO   |     | NULL    |       |
```

```
| deptno     | int(11)     | YES |     | NULL   |     |
| sal        | int(11)     | YES |     | NULL   |     |
| experience | int(11)     | YES |     | NULL   |     |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.011 sec)


MariaDB [gaurav]> alter table emp modify column job nvarchar(12);
Query OK, 0 rows affected (0.033 sec)
Records: 0  Duplicates: 0  Warnings: 0


MariaDB [gaurav]> desc emp;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| empno      | int(11)     | YES |     | NULL   |     |
| ename      | varchar(20) | NO  |     | NULL   |     |
| job        | varchar(12) | YES |     | NULL   |     |
| deptno     | int(11)     | YES |     | NULL   |     |
| sal        | int(11)     | YES |     | NULL   |     |
| experience | int(11)     | YES |     | NULL   |     |
+------------+-------------+------+-----+---------+-------+
6 rows in set (0.006 sec)


MariaDB [gaurav]> alter table emp add phone_no nvarchar(20);
Query OK, 0 rows affected (0.013 sec)
Records: 0  Duplicates: 0  Warnings: 0


MariaDB [gaurav]> desc emp;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
```

```
| empno     | int(11)    | YES  |     | NULL    |       |
| ename     | varchar(20)| NO   |     | NULL    |       |
| job       | varchar(12)| YES  |     | NULL    |       |
| deptno    | int(11)    | YES  |     | NULL    |       |
| sal       | int(11)    | YES  |     | NULL    |       |
| experience| int(11)    | YES  |     | NULL    |       |
| phone_no  | varchar(20)| YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
7 rows in set (0.005 sec)


MariaDB [gaurav]> alter table emp modify column phone_no int;
Query OK, 0 rows affected (0.042 sec)
Records: 0  Duplicates: 0  Warnings: 0


MariaDB [gaurav]> desc emp;
+------------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| empno     | int(11)    | YES  |     | NULL    |       |
| ename     | varchar(20)| NO   |     | NULL    |       |
| job       | varchar(12)| YES  |     | NULL    |       |
| deptno    | int(11)    | YES  |     | NULL    |       |
| sal       | int(11)    | YES  |     | NULL    |       |
| experience| int(11)    | YES  |     | NULL    |       |
| phone_no  | int(11)    | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
7 rows in set (0.013 sec)


MariaDB [gaurav]> ALTER TABLE EMP ADD CONSTRAINT Pkey1 PRIMARY KEY(EmpNo)
;
Query OK, 0 rows affected, 1 warning (0.029 sec)
```

Records: 0 Duplicates: 0 Warnings: 1

MariaDB [gaurav]> desc emp;

```
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| empno      | int(11)     | NO   | PRI | NULL    |       |
| ename      | varchar(20) | NO   |     | NULL    |       |
| job        | varchar(12) | YES  |     | NULL    |       |
| deptno     | int(11)     | YES  |     | NULL    |       |
| sal        | int(11)     | YES  |     | NULL    |       |
| experience | int(11)     | YES  |     | NULL    |       |
| phone_no   | int(11)     | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
```
7 rows in set (0.011 sec)

MariaDB [gaurav]> show full columns from emp;

```
+------------+-------------+-----------------+------+-----+---------+-------+------------------------------+---------+
| Field      | Type        | Collation       | Null | Key | Default | Extra | Privileges                   | Comment |
+------------+-------------+-----------------+------+-----+---------+-------+------------------------------+---------+
| empno      | int(11)     | NULL            | NO   | PRI | NULL    |       | select,insert,update,references |      |
| ename      | varchar(20) | utf8_general_ci | NO   |     | NULL    |       | select,insert,update,references |      |
| job        | varchar(12) | utf8_general_ci | YES  |     | NULL    |       | select,insert,update,references |      |
| deptno     | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
| sal        | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
| experience | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
| phone_no   | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
```

```
+------------+-------------+----------------+------+-----+---------+-------+------------------------------+---------+
```

7 rows in set (0.011 sec)

MariaDB [gaurav]> alter table emp modify column ename nvarchar(30)not nul

l;

Query OK, 0 rows affected (0.014 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gaurav]> show full columns from emp;

Field	Type	Collation	Null	Key	Default	Extra	Privileges	Comment
empno	int(11)	NULL	NO	PRI	NULL		select,insert,update,references	
ename	varchar(30)	utf8_general_ci	NO		NULL		select,insert,update,references	
job	varchar(12)	utf8_general_ci	YES		NULL		select,insert,update,references	
deptno	int(11)	NULL	YES		NULL		select,insert,update,references	
sal	int(11)	NULL	YES		NULL		select,insert,update,references	
experience	int(11)	NULL	YES		NULL		select,insert,update,references	
phone_no	int(11)	NULL	YES		NULL		select,insert,update,references	

7 rows in set (0.012 sec)

MariaDB [gaurav]> alter table emp modify column ename nvarchar(30)null;

Query OK, 0 rows affected (0.028 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gaurav]> show full columns from emp;

```
+------------+-------------+-----------------+------+-----+---------+-------+------------------------------+---------+
| Field      | Type        | Collation       | Null | Key | Default | Extra | Privileges                   | Comment |
+------------+-------------+-----------------+------+-----+---------+-------+------------------------------+---------+
| empno      | int(11)     | NULL            | NO   | PRI | NULL    |       | select,insert,update,references |      |
| ename      | varchar(30) | utf8_general_ci | YES  |     | NULL    |       | select,insert,update,references |      |
| job        | varchar(12) | utf8_general_ci | YES  |     | NULL    |       | select,insert,update,references |      |
| deptno     | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
| sal        | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
| experience | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
| phone_no   | int(11)     | NULL            | YES  |     | NULL    |       | select,insert,update,references |      |
+------------+-------------+-----------------+------+-----+---------+-------+------------------------------+---------+
7 rows in set (0.011 sec)
```

MariaDB [gaurav]> create table dept(deptno int primary key,dname varchar(

10),loc nvarchar(10));

Query OK, 0 rows affected (0.015 sec)

MariaDB [gaurav]> desc dept;

```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| deptno | int(11)     | NO   | PRI | NULL    |       |
| dname  | varchar(10) | YES  |     | NULL    |       |
| loc    | varchar(10) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
3 rows in set (0.012 sec)
```

MariaDB [gaurav]> create table emp1(ename nvarchar(10),empno int,constrai

nt ch check(empno>100));

Query OK, 0 rows affected (0.012 sec)

MariaDB [gaurav]> alter table emp drop column experience;

Query OK, 0 rows affected (0.016 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [gaurav]> desc emp;

+----------+-------------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
empno	int(11)	NO	PRI	NULL	
ename	varchar(30)	YES		NULL	
job	varchar(12)	YES		NULL	
deptno	int(11)	YES		NULL	
sal	int(11)	YES		NULL	
phone_no	int(11)	YES		NULL	
+----------+-------------+------+-----+---------+-------+

6 rows in set (0.006 sec)

MariaDB [gaurav]> insert into emp(empno,ename,job,deptno,sal)

    -> VALUES

    -> (1,'Amit','software engineer',1,10000),

    -> (2,'Rahul','teacher',2,20000),

    -> (3,'Monika','doctor',3,30000),

    -> (4,'Apekshya','developer',4,40000),

    -> (5,'Dinesh','tester',5,50000),

    -> (6,'Simran','DBA',6,60000),

    -> (7,'Hari','manager',7,70000),

    -> (8,'Ashim','CTO',8,64000),

-> (9,'Govinda','CFO',9,45000),

        -> (10,'Samundra','CEO',10,100000);

Query OK, 10 rows affected, 1 warning (0.013 sec)

Records: 10 Duplicates: 0 Warnings: 1

MariaDB [gaurav]> select * from emp;

+-------+----------+--------------+--------+--------+----------+
| empno | ename | job | deptno | sal | phone_no |
+-------+----------+--------------+--------+--------+----------+
1	Amit	software eng	1	10000	NULL
2	Rahul	teacher	2	20000	NULL
3	Monika	doctor	3	30000	NULL
4	Apekshya	developer	4	40000	NULL
5	Dinesh	tester	5	50000	NULL
6	Simran	DBA	6	60000	NULL
7	Hari	manager	7	70000	NULL
8	Ashim	CTO	8	64000	NULL
9	Govinda	CFO	9	45000	NULL
10	Samundra	CEO	10	100000	NULL
+-------+----------+--------------+--------+--------+----------+

10 rows in set (0.007 sec)

MariaDB [gaurav]> select distinct job from emp;

+--------------+
| job |
+--------------+
| software eng |
| teacher |
| doctor |
| developer |
| tester |

```
| DBA         |
| manager     |
| CTO         |
| CFO         |
| CEO         |
+--------------+
```
10 rows in set (0.008 sec)

MariaDB [gaurav]> select distinct sal from emp;
```
+--------+
| sal    |
+--------+
|  10000 |
|  20000 |
|  30000 |
|  40000 |
|  50000 |
|  60000 |
|  70000 |
|  64000 |
|  45000 |
| 100000 |
+--------+
```
10 rows in set (0.000 sec)

MariaDB [gaurav]> select empno,ename from emp where sal>30000;
```
+-------+----------+
| empno | ename    |
+-------+----------+
|     4 | Apekshya |
|     5 | Dinesh   |
```

```
|     6 | Simran   |
|     7 | Hari     |
|     8 | Ashim    |
|     9 | Govinda  |
|    10 | Samundra |
+-------+----------+
```
7 rows in set (0.007 sec)

MariaDB [gaurav]> select empno,ename from emp order by empno;
```
+-------+----------+
| empno | ename    |
+-------+----------+
|     1 | Amit     |
|     2 | Rahul    |
|     3 | Monika   |
|     4 | Apekshya |
|     5 | Dinesh   |
|     6 | Simran   |
|     7 | Hari     |
|     8 | Ashim    |
|     9 | Govinda  |
|    10 | Samundra |
+-------+----------+
```
10 rows in set (0.000 sec)

MariaDB [gaurav]> select empno,ename from emp order by empno desc;
```
+-------+----------+
| empno | ename    |
+-------+----------+
|    10 | Samundra |
|     9 | Govinda  |
```

```
|    8 | Ashim    |
|    7 | Hari     |
|    6 | Simran   |
|    5 | Dinesh   |
|    4 | Apekshya |
|    3 | Monika   |
|    2 | Rahul    |
|    1 | Amit     |
+-------+----------+
10 rows in set (0.000 sec)


MariaDB [gaurav]> create table newtable LIKE emp;
Query OK, 0 rows affected (0.007 sec)


MariaDB [gaurav]> desc newtable;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| empno    | int(11)     | NO   | PRI | NULL    |       |
| ename    | varchar(30) | YES  |     | NULL    |       |
| job      | varchar(12) | YES  |     | NULL    |       |
| deptno   | int(11)     | YES  |     | NULL    |       |
| sal      | int(11)     | YES  |     | NULL    |       |
| phone_no | int(11)     | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
6 rows in set (0.005 sec)


MariaDB [gaurav]> select * from newtable;
Empty set (0.001 sec)


MariaDB [gaurav]> create table newtable2 as select * from emp;
```

Query OK, 10 rows affected (0.013 sec)

Records: 10 Duplicates: 0 Warnings: 0

MariaDB [gaurav]> desc newtable2;

```
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| empno    | int(11)     | NO   |     | NULL    |       |
| ename    | varchar(30) | YES  |     | NULL    |       |
| job      | varchar(12) | YES  |     | NULL    |       |
| deptno   | int(11)     | YES  |     | NULL    |       |
| sal      | int(11)     | YES  |     | NULL    |       |
| phone_no | int(11)     | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
```

6 rows in set (0.004 sec)

MariaDB [gaurav]> select * from newtable2;

```
+-------+----------+--------------+--------+--------+----------+
| empno | ename    | job          | deptno | sal    | phone_no |
+-------+----------+--------------+--------+--------+----------+
|     1 | Amit     | software eng |      1 |  10000 |     NULL |
|     2 | Rahul    | teacher      |      2 |  20000 |     NULL |
|     3 | Monika   | doctor       |      3 |  30000 |     NULL |
|     4 | Apekshya | developer    |      4 |  40000 |     NULL |
|     5 | Dinesh   | tester       |      5 |  50000 |     NULL |
|     6 | Simran   | DBA          |      6 |  60000 |     NULL |
|     7 | Hari     | manager      |      7 |  70000 |     NULL |
|     8 | Ashim    | CTO          |      8 |  64000 |     NULL |
|     9 | Govinda  | CFO          |      9 |  45000 |     NULL |
|    10 | Samundra | CEO          |     10 | 100000 |     NULL |
+-------+----------+--------------+--------+--------+----------+
```

10 rows in set (0.000 sec)

MariaDB [gaurav]> insert into newtable1 select * from emp;

ERROR 1146 (42S02): Table 'gaurav.newtable1' doesn't exist

MariaDB [gaurav]> select * from newtable;

Empty set (0.005 sec)

MariaDB [gaurav]> insert into newtable select * from emp;

Query OK, 10 rows affected (0.002 sec)

Records: 10 Duplicates: 0 Warnings: 0

MariaDB [gaurav]> select * from newtable;

```
+-------+----------+--------------+--------+--------+----------+
| empno | ename    | job          | deptno | sal    | phone_no |
+-------+----------+--------------+--------+--------+----------+
|     1 | Amit     | software eng |      1 |  10000 |     NULL |
|     2 | Rahul    | teacher      |      2 |  20000 |     NULL |
|     3 | Monika   | doctor       |      3 |  30000 |     NULL |
|     4 | Apekshya | developer    |      4 |  40000 |     NULL |
|     5 | Dinesh   | tester       |      5 |  50000 |     NULL |
|     6 | Simran   | DBA          |      6 |  60000 |     NULL |
|     7 | Hari     | manager      |      7 |  70000 |     NULL |
|     8 | Ashim    | CTO          |      8 |  64000 |     NULL |
|     9 | Govinda  | CFO          |      9 |  45000 |     NULL |
|    10 | Samundra | CEO          |     10 | 100000 |     NULL |
+-------+----------+--------------+--------+--------+----------+
```

10 rows in set (0.001 sec)

MariaDB [gaurav]> update emp set ename='Krishna' where empno=1;

Query OK, 1 row affected (0.013 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [gaurav]> select * from emp;

```
+-------+----------+--------------+--------+--------+----------+
| empno | ename    | job          | deptno | sal    | phone_no |
+-------+----------+--------------+--------+--------+----------+
|     1 | Krishna  | software eng |      1 |  10000 |     NULL |
|     2 | Rahul    | teacher      |      2 |  20000 |     NULL |
|     3 | Monika   | doctor       |      3 |  30000 |     NULL |
|     4 | Apekshya | developer    |      4 |  40000 |     NULL |
|     5 | Dinesh   | tester       |      5 |  50000 |     NULL |
|     6 | Simran   | DBA          |      6 |  60000 |     NULL |
|     7 | Hari     | manager      |      7 |  70000 |     NULL |
|     8 | Ashim    | CTO          |      8 |  64000 |     NULL |
|     9 | Govinda  | CFO          |      9 |  45000 |     NULL |
|    10 | Samundra | CEO          |     10 | 100000 |     NULL |
+-------+----------+--------------+--------+--------+----------+
```
10 rows in set (0.001 sec)

MariaDB [gaurav]> select * from newtable;

```
+-------+----------+--------------+--------+--------+----------+
| empno | ename    | job          | deptno | sal    | phone_no |
+-------+----------+--------------+--------+--------+----------+
|     1 | Amit     | software eng |      1 |  10000 |     NULL |
|     2 | Rahul    | teacher      |      2 |  20000 |     NULL |
|     3 | Monika   | doctor       |      3 |  30000 |     NULL |
|     4 | Apekshya | developer    |      4 |  40000 |     NULL |
|     5 | Dinesh   | tester       |      5 |  50000 |     NULL |
|     6 | Simran   | DBA          |      6 |  60000 |     NULL |
|     7 | Hari     | manager      |      7 |  70000 |     NULL |
|     8 | Ashim    | CTO          |      8 |  64000 |     NULL |
|     9 | Govinda  | CFO          |      9 |  45000 |     NULL |
```

```
|   10 | Samundra | CEO       |    10 | 100000 |   NULL |
+-------+----------+-------------+--------+-------+----------+
10 rows in set (0.001 sec)


MariaDB [gaurav]> delete from newtable where empno=1;
Query OK, 1 row affected (0.009 sec)


MariaDB [gaurav]> select * from newtable;
+-------+----------+-----------+--------+-------+----------+
| empno | ename    | job       | deptno | sal   | phone_no |
+-------+----------+-----------+--------+-------+----------+
|    2 | Rahul    | teacher   |    2 | 20000 |   NULL |
|    3 | Monika   | doctor    |    3 | 30000 |   NULL |
|    4 | Apekshya | developer |    4 | 40000 |   NULL |
|    5 | Dinesh   | tester    |    5 | 50000 |   NULL |
|    6 | Simran   | DBA       |    6 | 60000 |   NULL |
|    7 | Hari     | manager   |    7 | 70000 |   NULL |
|    8 | Ashim    | CTO       |    8 | 64000 |   NULL |
|    9 | Govinda  | CFO       |    9 | 45000 |   NULL |
|   10 | Samundra | CEO       |   10 | 100000 |   NULL |
+-------+----------+-----------+--------+-------+----------+
9 rows in set (0.001 sec)


MariaDB [gaurav]> update newtable set sal=sal*1.10;
Query OK, 9 rows affected (0.010 sec)
Rows matched: 9  Changed: 9  Warnings: 0


MariaDB [gaurav]> select * from newtable;
+-------+----------+-----------+--------+-------+----------+
| empno | ename    | job       | deptno | sal   | phone_no |
+-------+----------+-----------+--------+-------+----------+
```

```
|    2 | Rahul    | teacher   |     2 | 22000 |    NULL |
|    3 | Monika   | doctor    |     3 | 33000 |    NULL |
|    4 | Apekshya | developer |     4 | 44000 |    NULL |
|    5 | Dinesh   | tester    |     5 | 55000 |    NULL |
|    6 | Simran   | DBA       |     6 | 66000 |    NULL |
|    7 | Hari     | manager   |     7 | 77000 |    NULL |
|    8 | Ashim    | CTO       |     8 | 70400 |    NULL |
|    9 | Govinda  | CFO       |     9 | 49500 |    NULL |
|   10 | Samundra | CEO       |    10 | 110000 |   NULL |
+-------+----------+-----------+--------+--------+----------+
9 rows in set (0.001 sec)
```

MariaDB [gaurav]> delete from newtable where sal<20000;

Query OK, 0 rows affected (0.007 sec)

MariaDB [gaurav]> select * from newtable;

```
+-------+----------+-----------+--------+--------+----------+
| empno | ename    | job       | deptno | sal    | phone_no |
+-------+----------+-----------+--------+--------+----------+
|    2 | Rahul    | teacher   |     2 | 22000 |    NULL |
|    3 | Monika   | doctor    |     3 | 33000 |    NULL |
|    4 | Apekshya | developer |     4 | 44000 |    NULL |
|    5 | Dinesh   | tester    |     5 | 55000 |    NULL |
|    6 | Simran   | DBA       |     6 | 66000 |    NULL |
|    7 | Hari     | manager   |     7 | 77000 |    NULL |
|    8 | Ashim    | CTO       |     8 | 70400 |    NULL |
|    9 | Govinda  | CFO       |     9 | 49500 |    NULL |
|   10 | Samundra | CEO       |    10 | 110000 |   NULL |
+-------+----------+-----------+--------+--------+----------+
9 rows in set (0.001 sec)
```

MariaDB [gaurav]> select * from newtable where ename='a%';

Empty set (0.007 sec)

MariaDB [gaurav]> select * from newtable where ename='b%';

Empty set (0.001 sec)

MariaDB [gaurav]> select * from newtable where ename='B%';

Empty set (0.002 sec)

MariaDB [gaurav]> select * from newtable where ename='A%';

Empty set (0.001 sec)

MariaDB [gaurav]> select * from newtable where ename like 'A%';

```
+-------+----------+-----------+--------+-------+----------+
| empno | ename    | job       | deptno | sal   | phone_no |
+-------+----------+-----------+--------+-------+----------+
|     4 | Apekshya | developer |      4 | 44000 |     NULL |
|     8 | Ashim    | CTO       |      8 | 70400 |     NULL |
+-------+----------+-----------+--------+-------+----------+
```

2 rows in set (0.002 sec)

MariaDB [gaurav]> select * from newtable where ename like '%a';

```
+-------+----------+-----------+--------+--------+----------+
| empno | ename    | job       | deptno | sal    | phone_no |
+-------+----------+-----------+--------+--------+----------+
|     3 | Monika   | doctor    |      3 |  33000 |     NULL |
|     4 | Apekshya | developer |      4 |  44000 |     NULL |
|     9 | Govinda  | CFO       |      9 |  49500 |     NULL |
|    10 | Samundra | CEO       |     10 | 110000 |     NULL |
+-------+----------+-----------+--------+--------+----------+
```

4 rows in set (0.001 sec)

```
MariaDB [gaurav]> select * from newtable;

+-------+----------+-----------+--------+--------+----------+
| empno | ename    | job       | deptno | sal    | phone_no |
+-------+----------+-----------+--------+--------+----------+
|     2 | Rahul    | teacher   |      2 |  22000 |     NULL |
|     3 | Monika   | doctor    |      3 |  33000 |     NULL |
|     4 | Apekshya | developer |      4 |  44000 |     NULL |
|     5 | Dinesh   | tester    |      5 |  55000 |     NULL |
|     6 | Simran   | DBA       |      6 |  66000 |     NULL |
|     7 | Hari     | manager   |      7 |  77000 |     NULL |
|     8 | Ashim    | CTO       |      8 |  70400 |     NULL |
|     9 | Govinda  | CFO       |      9 |  49500 |     NULL |
|    10 | Samundra | CEO       |     10 | 110000 |     NULL |
+-------+----------+-----------+--------+--------+----------+
9 rows in set (0.001 sec)


MariaDB [gaurav]> select * from newtable where ename like '%1';
Empty set (0.000 sec)


MariaDB [gaurav]> select * from newtable where ename like 's%a';

+-------+----------+------+--------+--------+----------+
| empno | ename    | job  | deptno | sal    | phone_no |
+-------+----------+------+--------+--------+----------+
|    10 | Samundra | CEO  |     10 | 110000 |     NULL |
+-------+----------+------+--------+--------+----------+
1 row in set (0.001 sec)


MariaDB [gaurav]> select *from newtable where ename like '_a%';

+-------+----------+---------+--------+--------+----------+
| empno | ename    | job     | deptno | sal    | phone_no |
```

```
+-------+----------+---------+--------+--------+----------+
|   2 | Rahul    | teacher |     2 | 22000 |    NULL |
|   7 | Hari     | manager |     7 | 77000 |    NULL |
|  10 | Samundra | CEO     |    10 | 110000 |    NULL |
+-------+----------+---------+--------+--------+----------+
3 rows in set (0.001 sec)


MariaDB [gaurav]>
```