```
C:\Users\user>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 55
Server version: 8.0.41 MySQL Community Server - GPL

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owners.

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

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| customer           |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| tinu               |
+--------------------+
6 rows in set (0.00 sec)

mysql> SQL FUNCTIONS
    ->
    ->  select * from student;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
that corresponds to your MySQL server version for the right syntax to use
near 'SQL FUNCTIONS

        select * from student' at line 1
mysql>  select * from student;
ERROR 1046 (3D000): No database selected
mysql>  use customer;
Database changed
mysql> select * from student;
ERROR 1146 (42S02): Table 'customer.student' doesn't exist
mysql> select * from customer;
+------+----------+------+-----------+--------+
| id   | Name     | Age  | Address   | Salary |
+------+----------+------+-----------+--------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 |
|    2 | Khilan   |   25 | Delhi     |   2500 |
|    3 | Kaushik  |   23 | Koti      |   2000 |
|    4 | Chaitali |   25 | Mumbai    |   6400 |
|    5 | Hardik   |   27 | Bhopal    |   8500 |
|    6 | Komal    |   22 | MP        |   4500 |
|    7 | Tinu     |   29 | Indore    |  10000 |
+------+----------+------+-----------+--------+
7 rows in set (0.00 sec)

mysql> alter table customer add phoneNo int;
Query OK, 0 rows affected (0.09 sec)
Records: 0  Duplicates: 0  Warnings: 0
```

```
mysql> select * from customer;
+------+----------+------+-----------+--------+---------+
| id   | Name     | Age  | Address   | Salary | phoneNo |
+------+----------+------+-----------+--------+---------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 | NULL    |
|    2 | Khilan   |   25 | Delhi     |   2500 | NULL    |
|    3 | Kaushik  |   23 | Koti      |   2000 | NULL    |
|    4 | Chaitali |   25 | Mumbai    |   6400 | NULL    |
|    5 | Hardik   |   27 | Bhopal    |   8500 | NULL    |
|    6 | Komal    |   22 | MP        |   4500 | NULL    |
|    7 | Tinu     |   29 | Indore    |  10000 | NULL    |
+------+----------+------+-----------+--------+---------+
7 rows in set (0.00 sec)

mysql> update customer set phoneNo=23456;
Query OK, 7 rows affected (0.11 sec)
Rows matched: 7  Changed: 7  Warnings: 0

mysql> select * from student;
ERROR 1146 (42S02): Table 'customer.student' doesn't exist
mysql> select * from customer;
+------+----------+------+-----------+--------+---------+
| id   | Name     | Age  | Address   | Salary | phoneNo |
+------+----------+------+-----------+--------+---------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 | 23456   |
|    2 | Khilan   |   25 | Delhi     |   2500 | 23456   |
|    3 | Kaushik  |   23 | Koti      |   2000 | 23456   |
|    4 | Chaitali |   25 | Mumbai    |   6400 | 23456   |
|    5 | Hardik   |   27 | Bhopal    |   8500 | 23456   |
|    6 | Komal    |   22 | MP        |   4500 | 23456   |
|    7 | Tinu     |   29 | Indore    |  10000 | 23456   |
+------+----------+------+-----------+--------+---------+
7 rows in set (0.00 sec)

mysql> update customer set phoneNo=2976 where id=32;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql> select * from student;
ERROR 1146 (42S02): Table 'customer.student' doesn't exist
mysql> select * from customer;
+------+----------+------+-----------+--------+---------+
| id   | Name     | Age  | Address   | Salary | phoneNo |
+------+----------+------+-----------+--------+---------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 | 23456   |
|    2 | Khilan   |   25 | Delhi     |   2500 | 23456   |
|    3 | Kaushik  |   23 | Koti      |   2000 | 23456   |
|    4 | Chaitali |   25 | Mumbai    |   6400 | 23456   |
|    5 | Hardik   |   27 | Bhopal    |   8500 | 23456   |
|    6 | Komal    |   22 | MP        |   4500 | 23456   |
|    7 | Tinu     |   29 | Indore    |  10000 | 23456   |
+------+----------+------+-----------+--------+---------+
7 rows in set (0.00 sec)

mysql>  update customer set phoneNo=2976 where id=32;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0
```

```
mysql>  update customer set phoneNo=29768 where id=32;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql> desc student;
ERROR 1146 (42S02): Table 'customer.student' doesn't exist
mysql> desc customer;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| id      | int         | YES  |     | NULL    |       |
| Name    | varchar(30) | YES  |     | NULL    |       |
| Age     | int         | YES  |     | NULL    |       |
| Address | varchar(40) | YES  |     | NULL    |       |
| Salary  | int         | YES  |     | NULL    |       |
| phoneNo | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
6 rows in set (0.00 sec)

mysql>  update customer set phoneNo=2976 where id=32;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0  Changed: 0  Warnings: 0

mysql> alter table customer drop column phoneNo;
Query OK, 0 rows affected (0.05 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> select * from customer;
+------+----------+------+-----------+--------+
| id   | Name     | Age  | Address   | Salary |
+------+----------+------+-----------+--------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 |
|    2 | Khilan   |   25 | Delhi     |   2500 |
|    3 | Kaushik  |   23 | Koti      |   2000 |
|    4 | Chaitali |   25 | Mumbai    |   6400 |
|    5 | Hardik   |   27 | Bhopal    |   8500 |
|    6 | Komal    |   22 | MP        |   4500 |
|    7 | Tinu     |   29 | Indore    |  10000 |
+------+----------+------+-----------+--------+
7 rows in set (0.00 sec)

mysql> delete from student where name='Komal';
ERROR 1146 (42S02): Table 'customer.student' doesn't exist
mysql> delete from customer where name='Komal';
Query OK, 1 row affected (0.01 sec)

mysql> select * from customer;
+------+----------+------+-----------+--------+
| id   | Name     | Age  | Address   | Salary |
+------+----------+------+-----------+--------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 |
|    2 | Khilan   |   25 | Delhi     |   2500 |
|    3 | Kaushik  |   23 | Koti      |   2000 |
|    4 | Chaitali |   25 | Mumbai    |   6400 |
|    5 | Hardik   |   27 | Bhopal    |   8500 |
|    7 | Tinu     |   29 | Indore    |  10000 |
+------+----------+------+-----------+--------+
6 rows in set (0.00 sec)
```

```
mysql> select sum(Salary) from customer;
+-------------+
| sum(Salary) |
+-------------+
|       29600 |
+-------------+
1 row in set (0.00 sec)

mysql> select avg(Salary) from customer;
+-------------+
| avg(Salary) |
+-------------+
|   4933.3333 |
+-------------+
1 row in set (0.00 sec)

mysql> select count(Name)from customer:
    -> select count(Name)from customer;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
that corresponds to your MySQL server version for the right syntax to use
near ':
select count(Name)from customer' at line 1
mysql> select count(Name)from customer;
+-------------+
| count(Name) |
+-------------+
|           6 |
+-------------+
1 row in set (0.00 sec)

mysql> select max(Salary) from customer;
+-------------+
| max(Salary) |
+-------------+
|       10000 |
+-------------+
1 row in set (0.00 sec)

mysql> select * from customer order by Salary;
+------+----------+------+-----------+--------+
| id   | Name     | Age  | Address   | Salary |
+------+----------+------+-----------+--------+
|    1 | Ramesh   |   32 | Ahmedabad |    200 |
|    3 | Kaushik  |   23 | Koti      |   2000 |
|    2 | Khilan   |   25 | Delhi     |   2500 |
|    4 | Chaitali |   25 | Mumbai    |   6400 |
|    5 | Hardik   |   27 | Bhopal    |   8500 |
|    7 | Tinu     |   29 | Indore    |  10000 |
+------+----------+------+-----------+--------+
6 rows in set (0.00 sec)

mysql> select * from student order by Salary desc;
ERROR 1146 (42S02): Table 'customer.student' doesn't exist
mysql> select * from customer order by Salary desc;
+------+----------+------+-----------+--------+
| id   | Name     | Age  | Address   | Salary |
+------+----------+------+-----------+--------+
|    7 | Tinu     |   29 | Indore    |  10000 |
|    5 | Hardik   |   27 | Bhopal    |   8500 |
```

```
|      4 | Chaitali  |   25 | Mumbai    |    6400 |
|      2 | Khilan    |   25 | Delhi     |    2500 |
|      3 | Kaushik   |   23 | Koti      |    2000 |
|      1 | Ramesh    |   32 | Ahmedabad |     200 |
+--------+-----------+------+-----------+---------+
6 rows in set (0.00 sec)

mysql> select * from customer where Name like 'c%';
+--------+-----------+------+-----------+---------+
| id     | Name      | Age  | Address   | Salary  |
+--------+-----------+------+-----------+---------+
|      4 | Chaitali  |   25 | Mumbai    |    6400 |
+--------+-----------+------+-----------+---------+
1 row in set (0.00 sec)

mysql> select * from customer where Name like 'h%';
+--------+---------+------+---------+--------+
| id     | Name    | Age  | Address | Salary |
+--------+---------+------+---------+--------+
|      5 | Hardik  |   27 | Bhopal  |   8500 |
+--------+---------+------+---------+--------+
1 row in set (0.00 sec)

mysql> select * from customer where Name like 'k%';
+--------+----------+------+---------+--------+
| id     | Name     | Age  | Address | Salary |
+--------+----------+------+---------+--------+
|      2 | Khilan   |   25 | Delhi   |   2500 |
|      3 | Kaushik  |   23 | Koti    |   2000 |
+--------+----------+------+---------+--------+
2 rows in set (0.00 sec)

mysql> select * from customer where Name like 't%';
+--------+------+------+---------+--------+
| id     | Name | Age  | Address | Salary |
+--------+------+------+---------+--------+
|      7 | Tinu |   29 | Indore  |  10000 |
+--------+------+------+---------+--------+
1 row in set (0.00 sec)

mysql> select * from customer where Name like 'r%';
+--------+---------+------+-----------+--------+
| id     | Name    | Age  | Address   | Salary |
+--------+---------+------+-----------+--------+
|      1 | Ramesh  |   32 | Ahmedabad |    200 |
+--------+---------+------+-----------+--------+
1 row in set (0.00 sec)

mysql> select * from customer where Name like '%n';
+--------+---------+------+---------+--------+
| id     | Name    | Age  | Address | Salary |
+--------+---------+------+---------+--------+
|      2 | Khilan  |   25 | Delhi   |   2500 |
+--------+---------+------+---------+--------+
1 row in set (0.00 sec)

mysql>  select * from customer where Name like '%h';
+--------+---------+------+-----------+--------+
| id     | Name    | Age  | Address   | Salary |
```

```
+------+---------+------+-----------+--------+
|    1 | Ramesh  |   32 | Ahmedabad |    200 |
+------+---------+------+-----------+--------+
1 row in set (0.00 sec)

mysql>  select * from customer where Name like '_a%';
+------+---------+------+-----------+--------+
| id   | Name    | Age  | Address   | Salary |
+------+---------+------+-----------+--------+
|    1 | Ramesh  |   32 | Ahmedabad |    200 |
|    3 | Kaushik |   23 | Koti      |   2000 |
|    5 | Hardik  |   27 | Bhopal    |   8500 |
+------+---------+------+-----------+--------+
3 rows in set (0.00 sec)

mysql> select * from customer where Name like '_i%';
+------+------+------+---------+--------+
| id   | Name | Age  | Address | Salary |
+------+------+------+---------+--------+
|    7 | Tinu |   29 | Indore  |  10000 |
+------+------+------+---------+--------+
1 row in set (0.00 sec)

mysql> select * from customer where Name like '%i_';
+------+---------+------+---------+--------+
| id   | Name    | Age  | Address | Salary |
+------+---------+------+---------+--------+
|    3 | Kaushik |   23 | Koti    |   2000 |
|    5 | Hardik  |   27 | Bhopal  |   8500 |
+------+---------+------+---------+--------+
2 rows in set (0.00 sec)

mysql>  select * from customer where Name like '%s_';
+------+---------+------+-----------+--------+
| id   | Name    | Age  | Address   | Salary |
+------+---------+------+-----------+--------+
|    1 | Ramesh  |   32 | Ahmedabad |    200 |
+------+---------+------+-----------+--------+
1 row in set (0.00 sec)

mysql>
```