```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mydb               |
| mysql              |
| nit                |
| performance_schema |
| sakila             |
| sys                |
| world              |
+--------------------+
8 rows in set (0.01 sec)

mysql> use nit;
Database changed
mysql> select * from customers;
+----+----------+-----+-----------+----------+
| 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 |
+----+----------+-----+-----------+----------+
7 rows in set (0.00 sec)

mysql> select * from orders;
Empty set (0.01 sec)

mysql> desc orders;
+-------------+----------+------+-----+---------+-------+
| Field       | Type     | Null | Key | Default | Extra |
+-------------+----------+------+-----+---------+-------+
| ID          | int      | NO   | PRI | NULL    |       |
| DATE        | datetime | YES  |     | NULL    |       |
| CUSTOMER_ID | int      | YES  | MUL | NULL    |       |
| AMOUNT      | double   | YES  |     | NULL    |       |
+-------------+----------+------+-----+---------+-------+
4 rows in set (0.01 sec)

mysql> drop table orders;
Query OK, 0 rows affected (0.04 sec)

mysql> desc orders;
ERROR 1146 (42S02): Table 'nit.orders' doesn't exist
mysql> select * from customers;
+----+----------+-----+-----------+----------+
| 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 |
+----+----------+-----+-----------+----------+
7 rows in set (0.00 sec)
```

```
mysql> select name, age from customers;
+----------+-----+
| name     | age |
+----------+-----+
| Ramesh   |  32 |
| Khilan   |  25 |
| kaushik  |  23 |
| Chaitali |  25 |
| Hardik   |  27 |
| Komal    |  22 |
| Muffy    |  24 |
+----------+-----+
7 rows in set (0.00 sec)

mysql> select name from customers where age = 25;
+----------+
| name     |
+----------+
| Khilan   |
| Chaitali |
+----------+
2 rows in set (0.00 sec)

mysql> select name from customers where age > 27 and salary > 6000;
Empty set (0.00 sec)

mysql> select name from customers where age > 26 and salary > 6000;
+--------+
| name   |
+--------+
| Hardik |
+--------+
1 row in set (0.00 sec)

mysql> select * from customers where age > 26 and salary > 6000;
+----+--------+-----+---------+---------+
| ID | NAME   | age | ADDRESS | salary  |
+----+--------+-----+---------+---------+
|  5 | Hardik |  27 | Bhopal  | 8500.00 |
+----+--------+-----+---------+---------+
1 row in set (0.00 sec)

mysql> select * from customers where age > 26 or salary > 6000;
+----+----------+-----+-----------+----------+
| ID | NAME     | age | ADDRESS   | salary   |
+----+----------+-----+-----------+----------+
|  1 | Ramesh   |  32 | Ahmedabad |  2000.00 |
|  4 | Chaitali |  25 | Mumbai    |  6500.00 |
|  5 | Hardik   |  27 | Bhopal    |  8500.00 |
|  7 | Muffy    |  24 | Indore    | 10000.00 |
+----+----------+-----+-----------+----------+
4 rows in set (0.00 sec)

mysql> update customers set address = 'Hyd' where id = 7;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from customers;
+----+----------+-----+-----------+----------+
| ID | NAME     | age | ADDRESS   | salary   |
+----+----------+-----+-----------+----------+
|  1 | Ramesh   |  32 | Ahmedabad |  2000.00 |
|  2 | Khilan   |  25 | Delhi     |  1500.00 |
|  3 | kaushik  |  23 | Kota      |  2000.00 |
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|  4 | Chaitali |  25 | Mumbai     |  6500.00 |
|  5 | Hardik   |  27 | Bhopal     |  8500.00 |
|  6 | Komal    |  22 | MP         |  4500.00 |
|  7 | Muffy    |  24 | Hyd        | 10000.00 |
+----+----------+-----+-----------+----------+
7 rows in set (0.00 sec)

mysql> update customers set address = 'Chandigarh', salary = 1000.00;
Query OK, 7 rows affected (0.01 sec)
Rows matched: 7  Changed: 7  Warnings: 0

mysql> select * from customers;
+----+----------+-----+------------+---------+
| ID | NAME     | age | ADDRESS    | salary  |
+----+----------+-----+------------+---------+
|  1 | Ramesh   |  32 | Chandigarh | 1000.00 |
|  2 | Khilan   |  25 | Chandigarh | 1000.00 |
|  3 | kaushik  |  23 | Chandigarh | 1000.00 |
|  4 | Chaitali |  25 | Chandigarh | 1000.00 |
|  5 | Hardik   |  27 | Chandigarh | 1000.00 |
|  6 | Komal    |  22 | Chandigarh | 1000.00 |
|  7 | Muffy    |  24 | Chandigarh | 1000.00 |
+----+----------+-----+------------+---------+
7 rows in set (0.00 sec)

mysql> delete from customers where id = 7;
Query OK, 1 row affected (0.01 sec)

mysql> select * from customers;
+----+----------+-----+------------+---------+
| ID | NAME     | age | ADDRESS    | salary  |
+----+----------+-----+------------+---------+
|  1 | Ramesh   |  32 | Chandigarh | 1000.00 |
|  2 | Khilan   |  25 | Chandigarh | 1000.00 |
|  3 | kaushik  |  23 | Chandigarh | 1000.00 |
|  4 | Chaitali |  25 | Chandigarh | 1000.00 |
|  5 | Hardik   |  27 | Chandigarh | 1000.00 |
|  6 | Komal    |  22 | Chandigarh | 1000.00 |
+----+----------+-----+------------+---------+
6 rows in set (0.00 sec)

mysql> drop table customers;
Query OK, 0 rows affected (0.03 sec)

mysql> select * from customers;
ERROR 1146 (42S02): Table 'nit.customers' doesn't exist
mysql> create table orders(
    ->  ID int NOT NULL,
    ->     DATE datetime,
    ->     CUSTOMER_ID int references customers(id),
    ->     AMOUNT double,
    ->     primary key(ID)
    -> );
Query OK, 0 rows affected (0.05 sec)

mysql> insert into customers
    -> values (1,"Ramesh",32,"Ahmedabad",2000),
    ->        (2,"Khilan",25,"Delhi",1500),
    ->      (3,"kaushik",23,"Kota",2000),
    ->        (4,"Chaitali",25,"Mumbai",6500),
    ->        (5,"Hardik",27,"Bhopal",8500),
    ->        (6,"Komal",22,"MP",4500),
    ->        (7,"Muffy",24,"Indore",10000);
ERROR 1146 (42S02): Table 'nit.customers' doesn't exist
```

```
mysql> select * from customers;
ERROR 1146 (42S02): Table 'nit.customers' doesn't exist
mysql> use nit;
Database changed
mysql> select * from customers;
ERROR 1146 (42S02): Table 'nit.customers' doesn't exist
mysql> create table orders(
    ->  ID int NOT NULL,
    ->     DATE datetime,
    ->     CUSTOMER_ID int references customers(id),
    ->     AMOUNT double,
    ->     primary key(ID)
    -> );
ERROR 1050 (42S01): Table 'orders' already exists
mysql> create table customers(
    ->     ID int NOT NULL,
    ->     NAME varchar(20) NOT NULL,
    ->     AGE int NOT NULL,
    ->     ADDRESS varchar(25),
    ->     SALARY decimal(18,2),
    ->     primary key(ID)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> desc customers;
+---------+---------------+------+-----+---------+-------+
| Field   | Type          | Null | Key | Default | Extra |
+---------+---------------+------+-----+---------+-------+
| ID      | int           | NO   | PRI | NULL    |       |
| NAME    | varchar(20)   | NO   |     | NULL    |       |
| AGE     | int           | NO   |     | NULL    |       |
| ADDRESS | varchar(25)   | YES  |     | NULL    |       |
| SALARY  | decimal(18,2) | YES  |     | NULL    |       |
+---------+---------------+------+-----+---------+-------+
5 rows in set (0.00 sec)

mysql> insert into customers
    -> values (1,"Ramesh",32,"Ahmedabad",2000),
    ->        (2,"Khilan",25,"Delhi",1500),
    ->      (3,"kaushik",23,"Kota",2000),
    ->        (4,"Chaitali",25,"Mumbai",6500),
    ->        (5,"Hardik",27,"Bhopal",8500),
    ->        (6,"Komal",22,"MP",4500),
    ->        (7,"Muffy",24,"Indore",10000);
Query OK, 7 rows affected (0.01 sec)
Records: 7  Duplicates: 0  Warnings: 0

mysql> select * from customers;
+----+----------+-----+-----------+----------+
| 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 |
+----+----------+-----+-----------+----------+
7 rows in set (0.00 sec)

mysql> select * from customers where salary like '200%';
+----+---------+-----+-----------+---------+
| ID | NAME    | AGE | ADDRESS   | SALARY  |
```

```
+----+----------+-----+-----------+---------+
|  1 | Ramesh   |  32 | Ahmedabad | 2000.00 |
|  3 | kaushik  |  23 | Kota      | 2000.00 |
+----+----------+-----+-----------+---------+
2 rows in set (0.00 sec)

mysql> select * from customers where name like '_a%';
+----+----------+-----+-----------+---------+
| ID | NAME     | AGE | ADDRESS   | SALARY  |
+----+----------+-----+-----------+---------+
|  1 | Ramesh   |  32 | Ahmedabad | 2000.00 |
|  3 | kaushik  |  23 | Kota      | 2000.00 |
|  5 | Hardik   |  27 | Bhopal    | 8500.00 |
+----+----------+-----+-----------+---------+
3 rows in set (0.00 sec)

mysql> select * from customers where address like '_o_%a';
+----+----------+-----+---------+---------+
| ID | NAME     | AGE | ADDRESS | SALARY  |
+----+----------+-----+---------+---------+
|  3 | kaushik  |  23 | Kota    | 2000.00 |
+----+----------+-----+---------+---------+
1 row in set (0.00 sec)

mysql> select top 3 * from customers;
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 '3 *
fromcustomers' at line 1
mysql> select * from customers limit 3;
+----+----------+-----+-----------+---------+
| ID | NAME     | AGE | ADDRESS   | SALARY  |
+----+----------+-----+-----------+---------+
|  1 | Ramesh   |  32 | Ahmedabad | 2000.00 |
|  2 | Khilan   |  25 | Delhi     | 1500.00 |
|  3 | kaushik  |  23 | Kota      | 2000.00 |
+----+----------+-----+-----------+---------+
3 rows in set (0.00 sec)

mysql> select * from customers limit 5;
+----+----------+-----+-----------+---------+
| 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 |
+----+----------+-----+-----------+---------+
5 rows in set (0.00 sec)

mysql> select * from customers order by name, salary;
+----+----------+-----+-----------+----------+
| ID | NAME     | AGE | ADDRESS   | SALARY   |
+----+----------+-----+-----------+----------+
|  4 | Chaitali |  25 | Mumbai    |  6500.00 |
|  5 | Hardik   |  27 | Bhopal    |  8500.00 |
|  3 | kaushik  |  23 | Kota      |  2000.00 |
|  2 | Khilan   |  25 | Delhi     |  1500.00 |
|  6 | Komal    |  22 | MP        |  4500.00 |
|  7 | Muffy    |  24 | Indore    | 10000.00 |
|  1 | Ramesh   |  32 | Ahmedabad |  2000.00 |
+----+----------+-----+-----------+----------+
7 rows in set (0.00 sec)
```

```
mysql> select * from customers order by name desc;
+----+----------+-----+-----------+----------+
| ID | NAME     | AGE | ADDRESS   | SALARY   |
+----+----------+-----+-----------+----------+
|  1 | Ramesh   |  32 | Ahmedabad |  2000.00 |
|  7 | Muffy    |  24 | Indore    | 10000.00 |
|  6 | Komal    |  22 | MP        |  4500.00 |
|  2 | Khilan   |  25 | Delhi     |  1500.00 |
|  3 | kaushik  |  23 | Kota      |  2000.00 |
|  5 | Hardik   |  27 | Bhopal    |  8500.00 |
|  4 | Chaitali |  25 | Mumbai    |  6500.00 |
+----+----------+-----+-----------+----------+
7 rows in set (0.00 sec)

mysql> select name, sum(salary) from customers group by name;
+----------+-------------+
| name     | sum(salary) |
+----------+-------------+
| Ramesh   |     2000.00 |
| Khilan   |     1500.00 |
| kaushik  |     2000.00 |
| Chaitali |     6500.00 |
| Hardik   |     8500.00 |
| Komal    |     4500.00 |
| Muffy    |    10000.00 |
+----------+-------------+
7 rows in set (0.01 sec)

mysql> select distinct salary from customers order by salary;
+----------+
| salary   |
+----------+
|  1500.00 |
|  2000.00 |
|  4500.00 |
|  6500.00 |
|  8500.00 |
| 10000.00 |
+----------+
6 rows in set (0.00 sec)

mysql>
```