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

```
mysql> create database insurance;
Query OK, 1 row affected (0.05 sec)

mysql> use insurance;
Database changed
mysql> create table person(driver_id varchar(50),name varchar(50),address varchar(50), primary key(driver_id));
Query OK, 0 rows affected (0.08 sec)

mysql> desc person;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| driver_id | varchar(50) | NO   | PRI | NULL    |       |
| name      | varchar(50) | YES  |     | NULL    |       |
| address   | varchar(50) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
3 rows in set (0.04 sec)

mysql> create table car(reg_num var char(50), model varchar(50), year int, primary key(reg_num));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the righ
t syntax to use near 'var char(50), model varchar(50), year int, primary key(reg_num))' at line 1
mysql> create table car(reg_num varchar(50), model varchar(50), year int, primary key(reg_num));
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> desc car;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| reg_num | varchar(50) | NO   | PRI | NULL    |       |
| model   | varchar(50) | YES  |     | NULL    |       |
| year    | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
3 rows in set (0.02 sec)

mysql> create table accident(report_num varchar(50), acc_date date,location varchar(50),primary key(report_num));
Query OK, 0 rows affected (0.06 sec)

mysql> desc accident;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| report_num | varchar(50) | NO   | PRI | NULL    |       |
| acc_date   | date        | YES  |     | NULL    |       |
| location   | varchar(50) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

mysql> create table owns(driver_id varchar(50), reg_num varchar(50), primary key(driver_id,reg_num),foreign key(driver_id)references
person(driver_id), foreign key(reg_num)references car(reg_num));
Query OK, 0 rows affected (0.09 sec)

mysql> desc owns;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| driver_id | varchar(50) | NO   | PRI | NULL    |       |
| reg_num   | varchar(50) | NO   | PRI | NULL    |       |
```

```
mysql> create table partcipated(driver_id varchar(50),reg_num varchar(50), repo
id,reg_num,report_num), foreign key(driver_id) references person(driver_id), fo
y(report_num)references accident(report_num));
Query OK, 0 rows affected (0.09 sec)

mysql> desc participated;
ERROR 1146 (42S02): Table 'insurance.participated' doesn't exist
mysql> desc  partcipated;
+-------------+-------------+------+-----+---------+-------+
| Field       | Type        | Null | Key | Default | Extra |
+-------------+-------------+------+-----+---------+-------+
| driver_id   | varchar(50) | NO   | PRI | NULL    |       |
| reg_num     | varchar(50) | NO   | PRI | NULL    |       |
| report_num  | varchar(50) | NO   | PRI | NULL    |       |
| damage_amt  | int         | YES  |     | NULL    |       |
+-------------+-------------+------+-----+---------+-------+
4 rows in set (0.01 sec)

mysql> insert into person values('A01','richard','blr');
Query OK, 1 row affected (0.03 sec)

mysql>  insert into person values('A02','prami','ballary');
Query OK, 1 row affected (0.02 sec)

mysql> insert  into person values('A03','rashi','shimoga');
Query OK, 1 row affected (0.02 sec)

mysql> insert  into person values('A05','bindu','hiral');
Query OK, 1 row affected (0.02 sec)

mysql>  insert  into person values('A04','sindu','udupi');
Query OK, 1 row affected (0.01 sec)
```

Q Search

```
mysql> select * from person;
+-----------+---------+---------+
| driver_id | name    | address |
+-----------+---------+---------+
| A01       | richard | blr     |
| A02       | prami   | ballary |
| A03       | rashi   | shimoga |
| A04       | sindu   | udupi   |
| A05       | bindu   | hiral   |
+-----------+---------+---------+
5 rows in set (0.00 sec)

mysql> insert into car values('KA414121','honda',1997);
Query OK, 1 row affected (0.02 sec)

mysql>  insert into car values('KA414122','audi',1982);
Query OK, 1 row affected (0.02 sec)

mysql> insert into car values('KA414123','indica',1998);
Query OK, 1 row affected (0.02 sec)

mysql> insert into car values('KA414124','toyata',1954);
Query OK, 1 row affected (0.02 sec)
```

```
mysql>  insert into car values('KA414125','tata',1987);
Query OK, 1 row affected (0.02 sec)

mysql> select * from car;
+-----------+---------+-------+
| reg_num   | model   | year  |
+-----------+---------+-------+
| KA414121  | honda   | 1997  |
| KA414122  | audi    | 1982  |
| KA414123  | indica  | 1998  |
| KA414124  | toyata  | 1954  |
| KA414125  | tata    | 1987  |
+-----------+---------+-------+
5 rows in set (0.00 sec)

mysql> insert into accident values('11','23-01-12','mysore');
Query OK, 1 row affected (0.03 sec)

mysql> insert into accident values('12','24-03-14','blre');
Query OK, 1 row affected (0.02 sec)

mysql> insert into accident values('13','25-04-16','ballary');
Query OK, 1 row affected (0.02 sec)

mysql> insert into accident values('14','16-05-19','udupi');
Query OK, 1 row affected (0.02 sec)

mysql> insert into accident values('15','26-09-23','blre');
Query OK, 1 row affected (0.02 sec)
```

```
mysql> select * from accident;
+------------+------------+----------+
| report_num | acc_date   | location |
+------------+------------+----------+
| 11         | 2023-01-12 | mysore   |
| 12         | 2024-03-14 | blre     |
| 13         | 2025-04-16 | ballary  |
| 14         | 2016-05-19 | udupi    |
| 15         | 2026-09-23 | blre     |
+------------+------------+----------+
5 rows in set (0.00 sec)

mysql> insert into owns values('A01','KA414121');
Query OK, 1 row affected (0.02 sec)

mysql> insert into owns values('A02','KA414122');
Query OK, 1 row affected (0.02 sec)

mysql> insert into owns values('A03','KA414123');
Query OK, 1 row affected (0.02 sec)

mysql>  insert into owns values('A05','KA414124');
Query OK, 1 row affected (0.02 sec)

mysql>  insert into owns values('A04','KA414125');
Query OK, 1 row affected (0.02 sec)

mysql> select * from owns;
```

```
| driver_id | reg_num   |
+-----------+-----------+
| A01       | KA414121  |
| A02       | KA414122  |
| A03       | KA414123  |
| A05       | KA414124  |
| A04       | KA414125  |
+-----------+-----------+
5 rows in set (0.00 sec)

mysql> insert into  partcipated values('A01','KA414121','11',2500);
Query OK, 1 row affected (0.02 sec)

mysql> insert into  partcipated values('A02','KA414122','12',2550);
Query OK, 1 row affected (0.02 sec)

mysql> insert into  partcipated values('A03','KA414123','13',5550);
Query OK, 1 row affected (0.02 sec)

mysql> insert into  partcipated values('A05','KA414124','14',5000);
Query OK, 1 row affected (0.02 sec)

mysql> insert into  partcipated values('A04','KA414125','15',5000);
Query OK, 1 row affected (0.02 sec)

mysql> select * from  partcipated;
+-----------+-----------+------------+------------+
| driver_id | reg_num   | report_num | damage_amt |
+-----------+-----------+------------+------------+
| A01       | KA414121  | 11         |       2500 |
| A02       | KA414122  | 12         |       2550 |
| A03       | KA414123  | 13         |       5550 |
| A04       | KA414125  | 15         |       5000 |
```

```
| A05         | KA414124 | 14          |        5000 |
+-----------+----------+-------------+-------------+
5 rows in set (0.00 sec)

mysql> update partcipated set damage_amt=5500 where reg_num='KA414125' and report_num='15';
Query OK, 1 row affected (0.02 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from  partcipated;
+-----------+----------+-------------+-------------+
| driver_id | reg_num  | report_num  | damage_amt  |
+-----------+----------+-------------+-------------+
| A01       | KA414121 | 11          |        2500 |
| A02       | KA414122 | 12          |        2550 |
| A03       | KA414123 | 13          |        5550 |
| A04       | KA414125 | 15          |        5500 |
| A05       | KA414124 | 14          |        5000 |
+-----------+----------+-------------+-------------+
5 rows in set (0.00 sec)

mysql> insert into accident values('16','15-03-24','gadag');
Query OK, 1 row affected (0.02 sec)

mysql> select * from  accident;
+-------------+-------------+----------+
| report_num  | acc_date    | location |
+-------------+-------------+----------+
| 11          | 2023-01-12  | mysore   |
| 12          | 2024-03-14  | blre     |
| 13          | 2025-04-16  | ballary  |
| 14          | 2016-05-19  | udupi    |
| 15          | 2026-09-23  | blre     |
| 16          | 2015-03-24  | gadag    |
```

```
mysql> select acc_date,location from accident;
+------------+----------+
| acc_date   | location |
+------------+----------+
| 2023-01-12 | mysore   |
| 2024-03-14 | blre     |
| 2025-04-16 | ballary  |
| 2016-05-19 | udupi    |
| 2026-09-23 | blre     |
| 2015-03-24 | gadag    |
+------------+----------+
6 rows in set (0.00 sec)

mysql> select driver_id from partcipated where damage_amt>=5000;
+-----------+
| driver_id |
+-----------+
| A03       |
| A04       |
| A05       |
+-----------+
3 rows in set (0.01 sec)
```

```
mysql> select * from car orderby year asc;
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 'year asc' at line 1
mysql> select * from car order by year asc;
+----------+--------+------+
| reg_num  | model  | year |
+----------+--------+------+
| KA123459 | toyata | 1954 |
| KA123457 | audi   | 1982 |
| KA123458 | indica | 1993 |
| KA123456 | honda  | 1997 |
+----------+--------+------+
4 rows in set (0.00 sec)

mysql> select count(report_num)CNT from car c, participated p where c.reg_num=p.reg_num and model='tat
a';
+-----+
| CNT |
+-----+
|   0 |
+-----+
1 row in set (0.00 sec)

mysql> select count(report_num)CNT from car c, participated p where c.reg_num=p.reg_num and model='toyata';
+-----+
| CNT |
+-----+
|   1 |
+-----+
1 row in set (0.00 sec)

mysql> select count(driver_id)CNT from participated p,accident a where p.report_num=a.report_num and a
.date like '%08';
ERROR 1054 (42S22): Unknown column 'a.date' in 'where clause'
mysql> select count(driver_id)CNT from participated p,accident a where p.report_num=a.report_num and a.accident_date like '%08';
+-----+
| CNT |
+-----+
|   0 |
+-----+
1 row in set (0.00 sec)

mysql> select count(driver_id)CNT from participated p,accident a where p.report_num=a.report_num and a.accident_date like '%23';
+-----+
| CNT |
+-----+
```

```
mysql> select count(driver_id)CNT from participated p,accident a where p.report_num=a.report_num and a.accident_date like '%23';
+-----+
| CNT |
+-----+
|   0 |
+-----+
1 row in set (0.00 sec)

mysql> select count(driver_id)CNT from participated p,accident a where p.report_num=a.report_num and a.accident_date like '__23%';
+-----+
| CNT |
+-----+
|   1 |
+-----+
1 row in set (0.00 sec)

mysql> select count(distint driver_id)CNT from participated p, accident a where p.repore_num=a.report
    -> ;
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 'driver_id)CNT from participated p, accident a where p.
repore_num=a.report' at line 1
mysql> select * from participated order by damage_amount desc;
+-----------+-----------+------------+---------------+
| driver_id | reg_num   | report_num | damage_amount |
+-----------+-----------+------------+---------------+
| A04       | KA123459  |         14 |          5500 |
| A02       | KA123457  |         12 |          5000 |
| A01       | KA123456  |         11 |          2500 |
| A03       | KA123458  |         13 |          2500 |
+-----------+-----------+------------+---------------+
4 rows in set (0.00 sec)

mysql> select avg(damage_amount) from participated;
+--------------------+
| avg(damage_amount) |
+--------------------+
|          3875.0000 |
+--------------------+
1 row in set (0.00 sec)

mysql> delete from participated where damage_amount<avg(damage_amount);
ERROR 1111 (HY000): Invalid use of group function
mysql> delete from participated where damage_amount<(select avg(damage_amount)from participated);
ERROR 1093 (HY000): You can't specify target table 'participated' for update in FROM clause
mysql> DELETE FROM PARTICIPATED WHERE
    ->
    -> DAMAGE_AMOUNTT < (SELECT AVG (DAMAGE_AMOUNT) FROM PARTICIPATED);
ERROR 1054 (42S22): Unknown column 'DAMAGE_AMOUNTT' in 'where clause'
```

```
mysql> select avg(damage_amount) from participated;
+--------------------+
| avg(damage_amount) |
+--------------------+
|          3875.0000 |
+--------------------+
1 row in set (0.00 sec)

mysql> delete from participated where damage_amount<avg(damage_amount);
ERROR 1111 (HY000): Invalid use of group function
mysql> delete from participated where damage_amount<(select avg(damage_amount)from participated);
ERROR 1093 (HY000): You can't specify target table 'participated' for update in FROM clause
mysql> DELETE FROM PARTICIPATED WHERE
    ->
    -> DAMAGE_AMOUNTT < (SELECT AVG (DAMAGE_AMOUNT) FROM PARTICIPATED);
ERROR 1054 (42S22): Unknown column 'DAMAGE_AMOUNTT' in 'where clause'
mysql> delete from participated where damage_amount < (select avg(damage_amount) from participated);
ERROR 1093 (HY000): You can't specify target table 'participated' for update in FROM clause
mysql> delete from  where damage_amount < (select avg(damage_amount) from participated);
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 'where damage_amount < (select avg(damage_amount) from
participated)' at line 1
mysql> delete from participated where damage_amount  (select avg(damage_amount) from participated);
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 avg(damage_amount) from participated)' at line
1
mysql> delete from participated where damage_amount <  (select avg(damage_amount) from participated);
ERROR 1093 (HY000): You can't specify target table 'participated' for update in FROM clause
mysql> delete from participated where damage_amount <  3875;
Query OK, 2 rows affected (0.00 sec)

mysql> select name from person a, participated p where a.driver_id=b.driver_id and damage_amount>3875;

ERROR 1054 (42S22): Unknown column 'b.driver_id' in 'where clause'
mysql> select name from person a, participated p where a.driver_id=p.driver_id and damage_amount>3875;

+-------+
| name  |
+-------+
| prami |
| rashi |
+-------+
2 rows in set (0.00 sec)

mysql> select max(damage_amount) from participated;
+--------------------+
| max(damage_amount) |
+--------------------+
|               5500 |
+--------------------+
1 row in set (0.00 sec)

mysql>
```