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MySQL 8.4 Command Line Cli  ×    +  ∨

mysql> create database insurance;
ERROR 1007 (HY000): Can't create database 'insurance'; database exists
mysql> use insurance;
Database changed
mysql> create table person(driver_id varchar(20), name varchar(20),address varchar(30),primary key(driver_id));
Query OK, 0 rows affected (6.03 sec)

mysql> desc person;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| driver_id | varchar(20) | NO   | PRI | NULL    |       |
| name      | varchar(20) | YES  |     | NULL    |       |
| address   | varchar(30) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
3 rows in set (0.18 sec)

mysql> create table car(reg_num varchar(20),model varchar(10),year int ,primary key(reg_num));
Query OK, 0 rows affected (4.63 sec)

mysql> desc car;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| reg_num | varchar(20) | NO   | PRI | NULL    |       |
| model   | varchar(10) | YES  |     | NULL    |       |
| year    | int         | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
3 rows in set (0.04 sec)

mysql> create table accident(report_num int,accident_date date,location varchar(30),primary key(report_num));
Query OK, 0 rows affected (0.75 sec)

mysql> desc accident;
+-----------------+-----------------+-------+-----+----------+--------+
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mysql> desc accident;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| report_num   | int         | NO   | PRI | NULL    |       |
| accident_date| date        | YES  |     | NULL    |       |
| location     | varchar(30) | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
3 rows in set (0.01 sec)

mysql> create table owns(driver_id varchar(20),reg_num varchar(20),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 (0.55 sec)

mysql> desc owns;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| driver_id | varchar(20) | NO   | PRI | NULL    |       |
| reg_num   | varchar(20) | NO   | PRI | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
2 rows in set (0.00 sec)
```
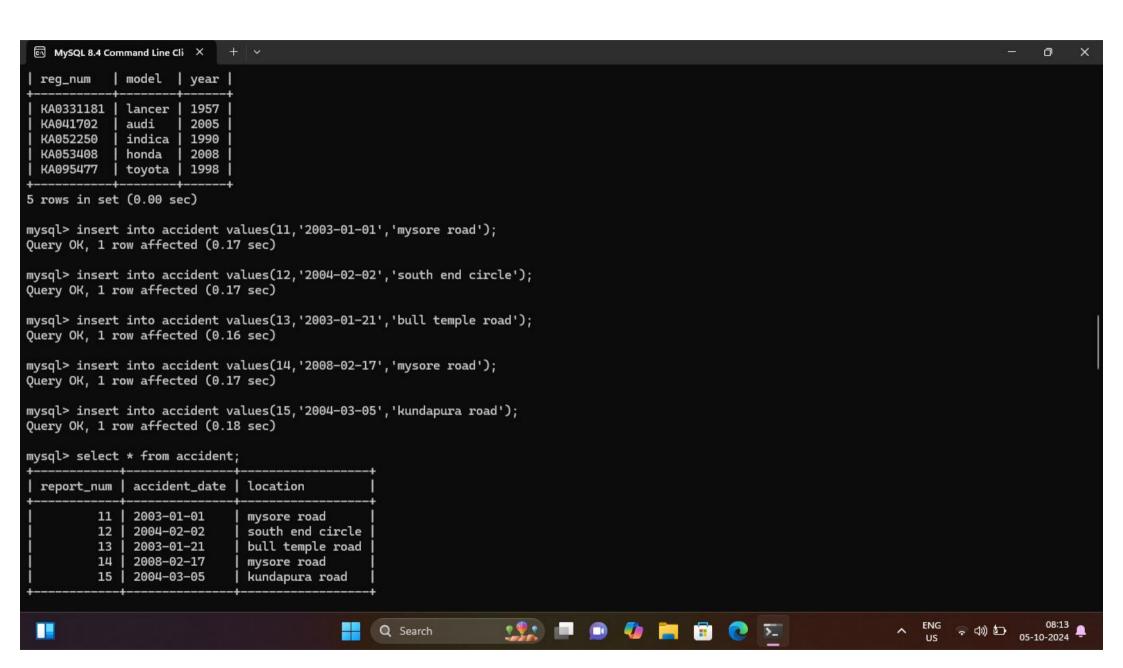
```
mysql> create table participated(driver_id varchar(20),reg_num varchar(20),report_num int,damage_amount int, primary key(driver_id, report_num,reg_n
um),foreign key(driver_id) references person(driver_id), foreign key(reg_num) references car(reg_num),foreign key(report_num) references accident(re
port_num));
Query OK, 0 rows affected (0.61 sec)

mysql> desc participated;
+---------------+-------------+------+-----+---------+-------+
| Field         | Type        | Null | Key | Default | Extra |
+---------------+-------------+------+-----+---------+-------+
| driver_id     | varchar(20) | NO   | PRI | NULL    |       |
| reg_num       | varchar(20) | NO   | PRI | NULL    |       |
| report_num    | int         | NO   | PRI | NULL    |       |
| damage_amount | int         | YES  |     | NULL    |       |
+---------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)

mysql> insert into person values('A01','richard','srinivasa nagar');
Query OK, 1 row affected (0.32 sec)

mysql> insert into person values('A02','pradeep','rajaji nagar');
Query OK, 1 row affected (0.16 sec)

mysql> insert into person values('A03','smith','ashok nagar');
Query OK, 1 row affected (0.20 sec)

mysql> insert into person values('A04','venu','N R colony');
Query OK, 1 row affected (0.16 sec)

mysql> insert into person values('A05','John','hanumanth nagar');
Query OK, 1 row affected (0.18 sec)

mysql> select * from person;
+-----------+----------+-------------------+
| driver_id | name     | address           |
+-----------+----------+-------------------+
```

```
mysql> select * from person;
+-----------+----------+------------------+
| driver_id | name     | address          |
+-----------+----------+------------------+
| A01       | richard  | srinivasa nagar  |
| A02       | pradeep  | rajaji nagar     |
| A03       | smith    | ashok nagar      |
| A04       | venu     | N R colony       |
| A05       | John     | hanumanth nagar  |
+-----------+----------+------------------+
5 rows in set (0.11 sec)

mysql> insert into car values('KA052250','indica',1990);
Query OK, 1 row affected (0.18 sec)

mysql> insert into car values('KA0331181','lancer',1957);
Query OK, 1 row affected (1.18 sec)

mysql> insert into car values('KA095477','toyota',1998);
Query OK, 1 row affected (0.15 sec)

mysql> insert into car values('KA053408','honda',2008);
Query OK, 1 row affected (0.18 sec)

mysql> insert into car values('KA041702','audi',2005);
Query OK, 1 row affected (0.11 sec)

mysql> select * from car;
+------------+---------+-------+
| reg_num    | model   | year  |
+------------+---------+-------+
| KA0331181  | lancer  | 1957  |
| KA041702   | audi    | 2005  |
| KA052250   | indica  | 1990  |
| KA053408   | honda   | 2008  |
```

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| reg_num    | model  | year |
+------------+--------+------+
| KA0331181  | lancer | 1957 |
| KA041702   | audi   | 2005 |
| KA052250   | indica | 1990 |
| KA053408   | honda  | 2008 |
| KA095477   | toyota | 1998 |
+------------+--------+------+
5 rows in set (0.00 sec)

mysql> insert into accident values(11,'2003-01-01','mysore road');
Query OK, 1 row affected (0.17 sec)

mysql> insert into accident values(12,'2004-02-02','south end circle');
Query OK, 1 row affected (0.17 sec)

mysql> insert into accident values(13,'2003-01-21','bull temple road');
Query OK, 1 row affected (0.16 sec)

mysql> insert into accident values(14,'2008-02-17','mysore road');
Query OK, 1 row affected (0.17 sec)

mysql> insert into accident values(15,'2004-03-05','kundapura road');
Query OK, 1 row affected (0.18 sec)

mysql> select * from accident;
+------------+---------------+------------------+
| report_num | accident_date | location         |
+------------+---------------+------------------+
|         11 | 2003-01-01    | mysore road      |
|         12 | 2004-02-02    | south end circle |
|         13 | 2003-01-21    | bull temple road |
|         14 | 2008-02-17    | mysore road      |
|         15 | 2004-03-05    | kundapura road   |
+------------+---------------+------------------+
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|            15 | 2004-03-05       | kundapura road   |
+---------------+-----------------+------------------+
5 rows in set (0.00 sec)

mysql> insert into owns values('A01','KA052250');
Query OK, 1 row affected (0.17 sec)

mysql> insert into owns values('A02','KA053408');
Query OK, 1 row affected (0.14 sec)

mysql> insert into owns values('A03','KA031181');
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`insurance`.`owns`, CONSTRAINT `owns_ibfk_2` FOREIGN KEY (`reg
_num`) REFERENCES `car` (`reg_num`))
mysql> insert into owns values('A04','KA095477');
Query OK, 1 row affected (0.15 sec)

mysql> insert into owns values('A05','KA041702');
Query OK, 1 row affected (0.12 sec)

mysql> insert into owns values('A03','KA0331181');
Query OK, 1 row affected (0.17 sec)

mysql> select * from owns;
+-----------+-----------+
| driver_id | reg_num   |
+-----------+-----------+
| A03       | KA0331181 |
| A05       | KA041702  |
| A01       | KA052250  |
| A02       | KA053408  |
| A04       | KA095477  |
+-----------+-----------+
5 rows in set (0.00 sec)

mysql> insert into participated values('A01','KA052250',11,10000);
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mysql> insert into participated values('A02','KA053408',12,50000);
Query OK, 1 row affected (0.17 sec)

mysql> insert into participated values('A03','KA0331181',13,25000);
Query OK, 1 row affected (0.18 sec)

mysql> insert into participated values('A04','KA095477',14,3000);
Query OK, 1 row affected (0.18 sec)

mysql> insert into participated values('A04','KA041702',15,5000);
Query OK, 1 row affected (0.19 sec)

mysql> select * from participated;
+-----------+-----------+------------+---------------+
| driver_id | reg_num   | report_num | damage_amount |
+-----------+-----------+------------+---------------+
| A01       | KA052250  |         11 |         10000 |
| A02       | KA053408  |         12 |         50000 |
| A03       | KA0331181 |         13 |         25000 |
| A04       | KA095477  |         14 |          3000 |
| A04       | KA041702  |         15 |          5000 |
+-----------+-----------+------------+---------------+
5 rows in set (0.00 sec)

mysql> select * from accident_date,location from accident;
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 'from accident' at line 1
mysql> select accident_date,location from accident;
+---------------+------------------+
| accident_date | location         |
+---------------+------------------+
| 2003-01-01    | mysore road      |
| 2004-02-02    | south end circle |
| 2003-01-21    | bull temple road |
| 2008-02-17    | mysore road      |
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| 2008-02-17      | mysore road      |
| 2004-03-05      | kundapura road   |
+-----------------+------------------+
5 rows in set (0.00 sec)

mysql> update participated set damage_amount=25000
    -> where reg_num='KA053408' and report_num=12;
Query OK, 1 row affected (0.17 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from participated;
+-----------+-----------+------------+---------------+
| driver_id | reg_num   | report_num | damage_amount |
+-----------+-----------+------------+---------------+
| A01       | KA052250  |         11 |         10000 |
| A02       | KA053408  |         12 |         25000 |
| A03       | KA0331181 |         13 |         25000 |
| A04       | KA095477  |         14 |          3000 |
| A04       | KA041702  |         15 |          5000 |
+-----------+-----------+------------+---------------+
5 rows in set (0.00 sec)
```

```
mysql> insert into accident values(16,'2008-03-15','domlur');
Query OK, 1 row affected (0.17 sec)

mysql> select * from accident;
+------------+---------------+------------------+
| report_num | accident_date | location         |
+------------+---------------+------------------+
|         11 | 2003-01-01    | mysore road      |
|         12 | 2004-02-02    | south end circle |
|         13 | 2003-01-21    | bull temple road |
|         14 | 2008-02-17    | mysore road      |
|         15 | 2004-03-05    | kundapura road   |
|         16 | 2008-03-15    | domlur           |
+------------+---------------+------------------+
6 rows in set (0.00 sec)

mysql> select driver_id
    -> from participated
    -> where damage_amount>=25000;
+-----------+
| driver_id |
+-----------+
| A02       |
| A03       |
+-----------+
2 rows in set (0.00 sec)
```