

```

mysql> create database car;
Query OK, 1 row affected (0.00 sec)

mysql> use car;
Database changed
mysql> create table person(driver_id varchar(10), name varchar(20),adress varchar(30),primary key(driver_id));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into person values("A01","richard","srinivas nagar");
Query OK, 1 row affected (0.00 sec)

mysql> insert into person values("A02","predeep","rajaji nagar");
Query OK, 1 row affected (0.00 sec)

mysql> insert into person values("A03","smith","ashok nagar");
Query OK, 1 row affected (0.00 sec)

mysql> insert into person values("A04","venu","N R colony");
Query OK, 1 row affected (0.00 sec)

mysql> insert into person values("A05","john","hanumanth nagar");
Query OK, 1 row affected (0.00 sec)

mysql> select * from person;
+-----+-----+-----+
| driver_id | name   | adress      |
+-----+-----+-----+
| A01      | richard | srinivas nagar |
| A02      | predeep | rajaji nagar   |
| A03      | smith  | ashok nagar    |
| A04      | venu   | N R colony     |
| A05      | john   | hanumanth nagar |
+-----+-----+-----+
5 rows in set (0.00 sec)

```

```
mysql> create table car(reg_num varchar(20),model varchar(20),year int, primary key(reg_num));
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> insert into car values("KA052250","indica",1990);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into car values("KA031181","lancer",1957);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into car values("KA095477","toyota",1998);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into car values("KA053408","honda",2008);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into car values("KA041702","audi",2005);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * FROM CAR;
```

reg_num	model	year
KA031181	lancer	1957
KA041702	audi	2005
KA052250	indica	1990
KA053408	honda	2008
KA095477	toyota	1998

```
5 rows in set (0.00 sec)
```

```
mysql> create table owns(driver_id varchar(10),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 (0.02 sec)
```

```
mysql> insert into owns values("A01","KA052250");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into owns values("A02","KA053408");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into owns values("A03","KA031181");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into owns values("A04","KA095477");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into owns values("A05","KA041702");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> create table accident(report_num int, accident_date date, location varchar(30), primary key(report_num));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into accident values(11,"2003-01-01","MYSORE ROAD");
Query OK, 1 row affected (0.00 sec)

mysql> insert into accident values(12,"2004-02-02","south end cirle");
Query OK, 1 row affected (0.00 sec)

mysql> insert into accident values(13,"2003-01-21","bull temple road");
Query OK, 1 row affected (0.00 sec)

mysql> insert into accident values(14,"2008-02-17","mysore road");
Query OK, 1 row affected (0.01 sec)

mysql> insert into accident values(15,"2004-03-05","kanakapura road");
Query OK, 1 row affected (0.00 sec)

mysql> create table participated(driver_id varchar(10), reg_num varchar(20), report_num int, damage_amount int, primary key(driver_id, reg_num, report_num), foreign key(driver_id) references person(driver_id), foreign key(reg_num) references car(reg_num), foreign key(report_num) references accident(report_num));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into participated values("A01","KA052250",11,10000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into participated values("A02","KA0533408",11,50000);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('car`.`participated`, CONSTRAINT `participated_ibfk_2` FOREIGN KEY (`reg_num`) REFERENCES `car` (`reg_num`))
mysql> insert into participated values("A02","KA053408",11,50000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into participated values("A03","KA095477",13,25000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into participated values("A04","KA031181",14,3000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into participated values("A05","KA041702",15,5000);
Query OK, 1 row affected (0.00 sec)

mysql> select * from car order by year asc;
```

reg_num	model	year
KA031181	lancer	1957
KA052250	indica	1990
KA095477	toyota	1998
KA041702	audi	2005
KA053408	honda	2008

5 rows in set (0.00 sec)

```
mysql> select count(report_num)
-> from car c,participated p
-> where c.reg_num=p.reg_num and c.model ="lancer";
```

count(report_num)
1

1 row in set (0.00 sec)

```
mysql> select count(distict driver_id)CNT
-> from participated a,accident b
-> where a.report_num=b.report_num and b.accident_date like '__08%';
```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your My SQL server version for the right syntax to use near 'driver_id)CNT

```
from participated a,accident b
where a.report_num=b.report_num an' at line 1
```

```
mysql>
mysql> select count(distinct driver_id)CNT
-> from participated a,accident b
-> where a.report_num=b.report_num and b.accident_date like '__08%';
```

CNT
1

1 row in set (0.00 sec)

```
mysql> select *from participated order by damage_amount desc;
```

driver_id	reg_num	report_num	damage_amount
A02	KA053408	11	50000
A03	KA095477	13	25000
A01	KA052250	11	10000
A05	KA041702	15	5000
A04	KA031181	14	3000

5 rows in set (0.00 sec)

```
mysql> select avg(damage_amount) from participated;
```

avg(damage_amount)
18600.0000

```
1 row in set (0.00 sec)
```

avg(damage_amount) from participated at time 1

```
mysql> select name from person a, participated b where a.driver_id=b.driver_id and damage_amount > (select avg(damage_amount) from participated);
```

name
predeep
smith

2 rows in set (0.00 sec)

```
mysql> select max(damage_amount) from participated;
```

max(damage_amount)
50000

1 row in set (0.00 sec)