

Enter password: *****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 25

Server version: 8.0.21 MySQL Community Server - GPL

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

mysql> show databases;

```
+-----+
| Database      |
+-----+
| company       |
| company1      |
| information_schema |
| mysql         |
| office        |
| performance_schema |
| project       |
| sakila        |
| student       |
| sys           |
| world         |
+-----+
```

11 rows in set (0.78 sec)

```
mysql> create database industry;
```

```
Query OK, 1 row affected (0.61 sec)
```

```
mysql> connect industry;
```

```
Connection id: 26
```

```
Current database: industry
```

```
mysql> create table supplier(sup_id int primary key,sup_name varchar(23),address varchar(20));
```

```
Query OK, 0 rows affected (2.20 sec)
```

```
mysql> desc supplier;
```

Field	Type	Null	Key	Default	Extra
sup_id	int	NO	PRI	NULL	
sup_name	varchar(23)	YES		NULL	
address	varchar(20)	YES		NULL	

```
3 rows in set (0.18 sec)
```

```
mysql> insert into supplier values(101,"pavan auto","pune");
```

```
Query OK, 1 row affected (0.23 sec)
```

```
mysql> insert into supplier values(102,"hitachi","chakan");
```

```
Query OK, 1 row affected (0.23 sec)
```

```
mysql> insert into supplier values(103,"om breaks","nagpur");
```

```
Query OK, 1 row affected (0.16 sec)
```

```
mysql> insert into supplier values(104,"tata steel","rachi");
```

```
Query OK, 1 row affected (0.32 sec)
```

```
mysql> insert into supplier values(105,"boash","mumbai");
```

```
">
```

```
"> insert into supplier values(105,"boash","mumbai");
```

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 'mumbai');

```
insert into supplier values(105,"boash","mumbai")' at line 1
```

```
mysql> insert into supplier values(105,"bosh","mumbai");
```

Query OK, 1 row affected (0.27 sec)

```
mysql> insert into supplier values(106,"Ashok lands","nashik");
```

Query OK, 1 row affected (0.20 sec)

```
mysql> insert into supplier values(107,"bharat benz","surat");
```

Query OK, 1 row affected (0.06 sec)

```
mysql> select *from supplier;
```

```
+-----+-----+-----+
| sup_id | sup_name | address |
+-----+-----+-----+
| 101 | pavan auto | pune |
| 102 | hitachi | chakan |
| 103 | om breaks | nagpur |
| 104 | tata steel | rachi |
| 105 | bosh | mumbai |
| 106 | Ashok lands | nashik |
| 107 | bharat benz | surat |
+-----+-----+-----+
```

7 rows in set (0.03 sec)

```
mysql> create table parts(part_id int primary key,part_name varchar(23),part_type varchar(20));
```

Query OK, 0 rows affected (2.12 sec)

```
mysql> desc parts;
```

Field	Type	Null	Key	Default	Extra
part_id	int	NO	PRI	NULL	
part_name	varchar(23)	YES		NULL	
part_type	varchar(20)	YES		NULL	

3 rows in set (0.14 sec)

```
mysql> insert into parts values(301,"fuel engine","engine");
```

Query OK, 1 row affected (0.13 sec)

```
mysql> insert into parts values(302,"break liners","break system");
```

Query OK, 1 row affected (0.21 sec)

```
mysql> insert into parts values(303,"head pump","car body");
```

Query OK, 1 row affected (0.17 sec)

```
mysql> insert into parts values(304,"gear box","engine");
```

Query OK, 1 row affected (0.09 sec)

```
mysql> insert into parts values(305,"ac button","dash board");
```

Query OK, 1 row affected (0.07 sec)

```
mysql> insert into parts values(306,"music system","dash board");
```

Query OK, 1 row affected (0.14 sec)

```
mysql> insert into parts values(307,"battery","electric");
```

```
Query OK, 1 row affected (0.18 sec)
```

```
mysql> select *from parts;
```

```
+-----+-----+-----+
| part_id | part_name | part_type |
+-----+-----+-----+
| 301 | fuel engine | engine |
| 302 | break liners | break system |
| 303 | head pump | car body |
| 304 | gear box | engine |
| 305 | ac button | dash board |
| 306 | music system | dash board |
| 307 | battery | electric |
+-----+-----+-----+
```

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

```
mysql> create table orders(order_no int primary key, part_id int references parts(part_id),sup_id int
references supplier(sup_id),order_date date);
```

```
Query OK, 0 rows affected (3.61 sec)
```

```
mysql> desc orders;
```

```
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| order_no | int | NO | PRI | NULL | |
| part_id | int | YES | | NULL | |
| sup_id | int | YES | | NULL | |
| order_date | date | YES | | NULL | |
+-----+-----+-----+-----+-----+
```

```
4 rows in set (0.17 sec)
```

```
mysql> insert into orders values(1001,301,102,"2020-03-03");
```

```
Query OK, 1 row affected (0.18 sec)
```

```
mysql> insert into orders values(1002,302,103,"2020-03-10");
```

```
Query OK, 1 row affected (0.11 sec)
```

```
mysql> insert into orders values(1003,303,104,"2020-05-11");
```

```
Query OK, 1 row affected (0.17 sec)
```

```
mysql> insert into orders values(1004,304,102,"2020-05-11");
```

```
Query OK, 1 row affected (0.28 sec)
```

```
mysql> insert into orders values(1005,305,101,"2020-06-11");
```

```
Query OK, 1 row affected (0.18 sec)
```

```
mysql> insert into orders values(1006,306,103,"2020-07-11");
```

```
Query OK, 1 row affected (0.06 sec)
```

```
mysql> select *from orders;
```

```
+-----+-----+-----+-----+
| order_no | part_id | sup_id | order_date |
+-----+-----+-----+-----+
| 1001 | 301 | 102 | 2020-03-03 |
| 1002 | 302 | 103 | 2020-03-10 |
| 1003 | 303 | 104 | 2020-05-11 |
| 1004 | 304 | 102 | 2020-05-11 |
| 1005 | 305 | 101 | 2020-06-11 |
| 1006 | 306 | 103 | 2020-07-11 |
+-----+-----+-----+-----+
```

```
6 rows in set (0.02 sec)
```

```
mysql> create table catlog(part_id int references parts(part_id),part_name varchar(20),cost
int,available_stock int);
```

Query OK, 0 rows affected (2.55 sec)

```
mysql> desc catlog;
```

```
+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| part_id    | int       | YES  |     | NULL    |      |
| part_name  | varchar(20) | YES  |     | NULL    |      |
| cost       | int       | YES  |     | NULL    |      |
| available_stock | int       | YES  |     | NULL    |      |
+-----+-----+-----+-----+-----+
```

4 rows in set (0.07 sec)

```
mysql> insert into catlog values(301,"fuel pump",3000,12);
```

Query OK, 1 row affected (0.21 sec)

```
mysql> insert into catlog values(302,"break liners",1600,10);
```

Query OK, 1 row affected (0.11 sec)

```
mysql> insert into catlog values(303,"head pump",7000,06);
```

Query OK, 1 row affected (0.20 sec)

```
mysql> insert into catlog values(304,"gear box",12000,02);
```

Query OK, 1 row affected (0.19 sec)

```
mysql> insert into catlog values(305,"ac button",700,25);
```

Query OK, 1 row affected (0.35 sec)

```
mysql> insert into catlog values(306,"music system",22000,02);
```

Query OK, 1 row affected (0.41 sec)

```
mysql> select *from catlogs;
```

ERROR 1146 (42S02): Table 'industry.catlogs' doesn't exist

```
mysql> select *from catlog;
```

```
+-----+-----+-----+-----+
| part_id | part_name  | cost | available_stock |
+-----+-----+-----+-----+
| 301 | fuel pump  | 3000 | 12 |
| 302 | break liners | 1600 | 10 |
| 303 | head pump  | 7000 | 6 |
| 304 | gear box   | 12000 | 2 |
| 305 | ac button  | 700 | 25 |
| 306 | music system | 22000 | 2 |
+-----+-----+-----+-----+
```

6 rows in set (0.00 sec)

```
mysql> select sup_id from supplier union select sup_id from orders;
```

```
+-----+
| sup_id |
+-----+
| 101 |
| 102 |
| 103 |
| 104 |
| 105 |
| 106 |
| 107 |
+-----+
```

7 rows in set (0.16 sec)


```
mysql> update catlog set cost=2300 where part_name= "break liners";
```

```
Query OK, 1 row affected (0.19 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select *from catlog;
```

```
+-----+-----+-----+-----+
| part_id | part_name  | cost | available_stock |
+-----+-----+-----+-----+
| 301 | fuel pump  | 3000 | 12 |
| 302 | break liners | 2300 | 10 |
| 303 | head pump  | 7000 | 6 |
| 304 | gear box   | 12000 | 2 |
| 305 | ac button  | 700 | 25 |
| 306 | music system | 22000 | 2 |
+-----+-----+-----+-----+
```

```
6 rows in set (0.08 sec)
```

```
mysql> select order_no,order_date from orders where part_id in (select part_id from catlog where cost>8000);
```

```
+-----+-----+
| order_no | order_date |
+-----+-----+
| 1004 | 2020-05-11 |
| 1006 | 2020-07-11 |
+-----+-----+
```

```
2 rows in set (0.12 sec)
```

```
mysql> select sum(cost) from catlog;
```

```
+-----+
| sum(cost) |
+-----+
```

```
+-----+
|  47000 |
```

```
+-----+
```

1 row in set (0.10 sec)

mysql> select sum(cost) as total_purchase from catlog;

```
+-----+
```

```
| total_purchase |
```

```
+-----+
```

```
|      47000 |
```

```
+-----+
```

1 row in set (0.00 sec)

mysql> select max(cost) as maximum_cost,min(cost) as minimum cost,avg(cost) as average cost from catlog;

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 'cost,avg(cost) as average cost from catlog' at line 1

mysql> select max(cost) as maximum_cost, min(cost) as minimum_cost, avg(cost) as average_cost from catlog;

```
+-----+-----+-----+
```

```
| maximum_cost | minimum_cost | average_cost |
```

```
+-----+-----+-----+
```

```
|    22000 |      700 | 7833.3333 |
```

```
+-----+-----+-----+
```

1 row in set (0.00 sec)

mysql> select order_date from orders where part_id=(select part_id from catlog where part_name="gear box");

```
+-----+
```

```
| order_date |
```

```
+-----+
```

```
| 2020-05-11 |
```

```
+-----+
```

1 row in set (0.10 sec)

```
mysql> delete from supplier where sup_name="bharat benz";
```

Query OK, 1 row affected (0.22 sec)

```
mysql> select *from supplier;
```

```
+-----+-----+-----+
```

```
| sup_id | sup_name | address |
```

```
+-----+-----+-----+
```

```
| 101 | pavan auto | pune |
```

```
| 102 | hitachi | chakan |
```

```
| 103 | om breaks | nagpur |
```

```
| 104 | tata steel | rachi |
```

```
| 105 | bosh | mumbai |
```

```
| 106 | Ashok lands | nashik |
```

```
+-----+-----+-----+
```

6 rows in set (0.00 sec)

```
mysql>
```