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MySQL 8.0 Command Line Cli    ×   +  ∨                                                          —  □  ×

Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.36 MySQL Community Server - GPL

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owners.

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

mysql> create database bank;
Query OK, 1 row affected (0.01 sec)

mysql> use bank;
Database changed
mysql> create table bank.branch(branch_name varchar(30),branch_city varchar(25),assets int,primary key(branch_name));
Query OK, 0 rows affected (0.02 sec)

mysql> create table bank.bankaccount(accno int,
    -> branch_name varchar(30),
    -> balance int,
    -> primary key(accno),
    -> foreign key(branch_name)references brach(branch_name));
ERROR 1824 (HY000): Failed to open the referenced table 'brach'
mysql> foreign key(branch_name)references branch(branch_name));
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 'foreign key(branch_name)references branch(branch_name)
)' at line 1
mysql> create table bank.bankaccount(accno int,
    -> branch_name varchar(30),
    -> balance int,
    -> primary key(accno),
    -> foreign key(branch_name) references branch(branch_name));
Query OK, 0 rows affected (0.02 sec)

mysql> create table bank.bankcustomer(customername varchar(20),
    -> accno int,
    -> primary key(customername,accno),
    -> foreign key(accno)references bankaccount(customername));
ERROR 3734 (HY000): Failed to add the foreign key constraint. Missing column 'customername' for constraint 'bankcustomer_ibfk_1' in the referenced table 'bankaccount'
mysql> create table bank.bankcustomer(customername varchar(20),
    -> customer_street varchar(30),
    -> customercity varchar(35),
    -> primary key(customername));
Query OK, 0 rows affected (0.02 sec)

mysql> create table bank.depositer(customername varchar(20),accno int, primary key(customername,accno)
,foreign key(accno) references bankaccount(accno),
    -> foreign key(customername)references bankcustomer(customername));
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mysql> create table bank.depositer(customername varchar(20),accno int, primary key(customername,accno)
,foreign key(accno) references bankaccount(accno),
    -> foreign key(customername)references bankcustomer(customername));
Query OK, 0 rows affected (0.02 sec)

mysql> create table bank.loan(loan_number int,
    -> branch_name varchar(30),
    -> amount int,
    -> primary key(loan_number),
    -> foreign key(branch_name) references branch(branch_name));
Query OK, 0 rows affected (0.02 sec)

mysql> insert into branch values("sbi_chamrajpet","banglore",50000);
Query OK, 1 row affected (0.01 sec)

mysql> insert into branch values("sbi_residencyroad","banglore",10000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values("sbi_shivajiroad","bombay",20000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values("sbi_parlimentroad","delhi",10000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into branch values("sbi_jantarmantar","delhi",20000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(1,"sbi_chamrajpet",2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(2,"sbi_residencyroad",5000;
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 '' at line 1
mysql> insert into bankaccount values(2,"sbi_residencyroad",5000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(3,"sbi_shivajiroad",6000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(4,"sbi_parlimentroad",9000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(5,"sbi_jantarmantar",8000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(6,"sbi_shivajiroad",4000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(8,"sbi_residencyroad",4000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(9,"sbi_parlimentroad",3000);
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Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(10,"sbi_residencyroad",5000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount values(11,"sbi_jantarmantar",2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankcustomer values("avinash","bull temple road","banglore");
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankcustomer values("dinesh","bannergatta road","banglore");
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankcustomer values("mohan","national college road","banglore");
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankcustomer values("nikhil","akbar road","delhi");
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankcustomer values("ravi","pritviraj road","delhi");
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("avinash",1);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("dinesh",2);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("nikhil",4);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("ravi",5);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("avinash",8);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("nikil",9);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`bank`.`depositer`, CONSTRAINT `depositer_ibfk_2` FOREIGN KEY (`customername`) REFERENCES `bankcustomer` (`customername`))
mysql> insert into depositer values("nikhil",9);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("dinesh",10);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("nikhil",11);
Query OK, 1 row affected (0.00 sec)

mysql> insert into loan values(1,"sbi_chamrajpet",1000);
Query OK, 1 row affected (0.00 sec)
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Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("avinash",8);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("nikil",9);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`bank`.`depositer`, CONSTRAINT `depositer_ibfk_2` FOREIGN KEY (`customername`) REFERENCES `bankcustomer` (`customername`))
mysql> insert into depositer values("nikhil",9);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("dinesh",10);
Query OK, 1 row affected (0.00 sec)

mysql> insert into depositer values("nikhil",11);
Query OK, 1 row affected (0.00 sec)

mysql> insert into loan values(1,"sbi_chamrajpet",1000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into loan values(2,"sbi_residencyroad",2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into loan values(3,"sbi_shivajiroad",3000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into loan values(4,"sbi_parlimentroad",4000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into loan values(5,"sbi_jantarmantar",5000);
Query OK, 1 row affected (0.00 sec)

mysql> select * from branch;
+-------------------+-------------+--------+
| branch_name       | branch_city | assets |
+-------------------+-------------+--------+
| sbi_chamrajpet    | banglore    |  50000 |
| sbi_jantarmantar  | delhi       |  20000 |
| sbi_parlimentroad | delhi       |  10000 |
| sbi_residencyroad | banglore    |  10000 |
| sbi_shivajiroad   | bombay      |  20000 |
+-------------------+-------------+--------+
5 rows in set (0.00 sec)

mysql> select * from bankaccount;
+-------+-------------------+---------+
| accno | branch_name       | balance |
+-------+-------------------+---------+
|     1 | sbi_chamrajpet    |    2000 |
|     2 | sbi_residencyroad |    5000 |
|     3 | sbi_shivajiroad   |    6000 |
|     4 | sbi_parlimentroad |    9000 |
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| accno | branch_name       | balance |
+-------+-------------------+---------+
|     1 | sbi_chamrajpet    |    2000 |
|     2 | sbi_residencyroad |    5000 |
|     3 | sbi_shivajiroad   |    6000 |
|     4 | sbi_parlimentroad |    9000 |
|     5 | sbi_jantarmantar  |    8000 |
|     6 | sbi_shivajiroad   |    4000 |
|     8 | sbi_residencyroad |    4000 |
|     9 | sbi_parlimentroad |    3000 |
|    10 | sbi_residencyroad |    5000 |
|    11 | sbi_jantarmantar  |    2000 |
+-------+-------------------+---------+
10 rows in set (0.00 sec)

mysql> select * from bankcustomer;
+--------------+----------------------+--------------+
| customername | customer_street      | customercity |
+--------------+----------------------+--------------+
| avinash      | bull temple road     | banglore     |
| dinesh       | bannergatta road     | banglore     |
| mohan        | national college road| banglore     |
| nikhil       | akbar road           | delhi        |
| ravi         | pritviraj road       | delhi        |
+--------------+----------------------+--------------+
5 rows in set (0.00 sec)

mysql> select * from depositer;
+--------------+-------+
| customername | accno |
+--------------+-------+
| avinash      |     1 |
| dinesh       |     2 |
| nikhil       |     4 |
| ravi         |     5 |
| avinash      |     8 |
| nikhil       |     9 |
| dinesh       |    10 |
| nikhil       |    11 |
+--------------+-------+
8 rows in set (0.00 sec)

mysql> select * from loan;
+-------------+-------------------+--------+
| loan_number | branch_name       | amount |
+-------------+-------------------+--------+
|           1 | sbi_chamrajpet    |   1000 |
|           2 | sbi_residencyroad |   2000 |
|           3 | sbi_shivajiroad   |   3000 |
|           4 | sbi_parlimentroad |   4000 |
|           5 | sbi_jantarmantar  |   5000 |
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|            1 | sbi_chamrajpet    | 1000 |
|            2 | sbi_residencyroad | 2000 |
|            3 | sbi_shivajiroad   | 3000 |
|            4 | sbi_parlimentroad | 4000 |
|            5 | sbi_jantarmantar  | 5000 |
+--------------+-------------------+------+
5 rows in set (0.00 sec)

mysql>        select branch_name,concat(assets/100000,"lakhs") assets_in_lakhs from branch;
+-------------------+-----------------+
| branch_name       | assets_in_lakhs |
+-------------------+-----------------+
| sbi_chamrajpet    | 0.5000lakhs     |
| sbi_jantarmantar  | 0.2000lakhs     |
| sbi_parlimentroad | 0.1000lakhs     |
| sbi_residencyroad | 0.1000lakhs     |
| sbi_shivajiroad   | 0.2000lakhs     |
+-------------------+-----------------+
5 rows in set (0.00 sec)

mysql> select d.customername from depositer d, bankaccount b where b.branch_name="sbi_residencyroad",a
nd d.accno=b.accno group by d.customername having count(d.accno)>=2;
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 ',and d.accno=b.accno group by d.customername having co
unt(d.accno)>=2' at line 1
mysql> select d.customername from depositer d, bankaccount b where b.branch_name="sbi_residencyroad",and d.accno=b.accno group by d.customername having count(d.accno>=2);
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 ',and d.accno=b.accno group by d.customername having co
unt(d.accno>=2)' at line 1
mysql> select customername from depositer d, bankaccount b where b.branch_name="sbi_residencyroad",and
 d.accno=b.accno group by d.customername having count(d.accno)>=2;
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 ',and d.accno=b.accno group by d.customername having co
unt(d.accno)>=2' at line 1
mysql> select customername from depositer d, bankaccount b where b.branch_name="sbi_residencyroad",and d.accno=b.accno group by d.customername having count(d.accno)>=2;
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 ',and d.accno=b.accno group by d.customername having co
unt(d.accno)>=2' at line 1
mysql> create view sum_of_loan
    -> as select branch-name ,sum(balance)
    -> from bankaccount
    -> group by branch_name;
ERROR 1054 (42S22): Unknown column 'branch' in 'field list'
mysql> create view sum_of_loan
    -> as select branch_name,sum(balance)
    -> from bankaccount
    -> group by branch_name;
Query OK, 0 rows affected (0.01 sec)

mysql> select * from sum_of_loan;
+-------------------+--------------+
| branch_name       | sum(balance) |
+-------------------+--------------+
| sbi_chamrajpet    |         2000 |
```

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ERROR 1054 (42S22): Unknown column 'branch' in 'field list'
mysql> create view sum_of_loan
    -> as select branch_name,sum(balance)
    -> from bankaccount
    -> group by branch_name;
Query OK, 0 rows affected (0.01 sec)

mysql> select * from sum_of_loan;
+-------------------+--------------+
| branch_name       | sum(balance) |
+-------------------+--------------+
| sbi_chamrajpet    |         2000 |
| sbi_jantarmantar  |        10000 |
| sbi_parlimentroad |        12000 |
| sbi_residencyroad |        14000 |
| sbi_shivajiroad   |        10000 |
+-------------------+--------------+
5 rows in set (0.01 sec)

mysql> select d.customername from depositer d,bankaccount b where b.branch_name="sbi_residencyroad" an
d d.accno=b.accno group by d.customername having count(d.accno)>=2;
+--------------+
| customername |
+--------------+
| dinesh       |
+--------------+
1 row in set (0.00 sec)

mysql> desc depositer;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| customername | varchar(20) | NO   | PRI | NULL    |       |
| accno        | int         | NO   | PRI | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
2 rows in set (0.01 sec)

mysql> select d.customername from depositer d, bankaccount b where b.branch_name ="sbi_residencyroad" and d.accno=b.accno group by d.customername having count(d.accno)>=2;
+--------------+
| customername |
+--------------+
| dinesh       |
+--------------+
1 row in set (0.00 sec)

mysql> select d.customername from depositer d ,bankaccount b where b.accno=d.accno
    -> ;
+--------------+
| customername |
+--------------+
| avinash      |
```