

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

mysql> use bank;
Database changed
mysql> create table branch9
->     branch_name varchar(20),
->     branch_city varchar(20),
->     assets real,
->     ;;
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 'branch_name varchar(20),
branch_city varchar(20),
assets real,' at line 2

ERROR:
No query specified

mysql> create table branch(
->     branch_name varchar(20),
->     branch_city varchar(20),
->     assets real,
->     primary key(branch_name));
Query OK, 0 rows affected (0.02 sec)

mysql> create table bankaccount(
->     accno int,
->     branch_name varchar(20),
->     balance real,
->     primary key(accno, branch_name),
->     foreign key(branch_name) references branch(branch_name));
Query OK, 0 rows affected (0.02 sec)

mysql> create table bankcustomer(
->     customer_name varchar(20),
->     customer_city varchar(20),
->     customer_street varchar(20),
->     primary key(customer_name));
Query OK, 0 rows affected (0.02 sec)

mysql> create table depositor(
->     customer_name varchar(20),
->     accno int,
->     primary key(customer_name, accno),
->     foreign key(customer_name) references bankcustomer(customer_name),
->     foreign key(accno) references bankaccount(accno));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> create table loan(
->         loan_number int,
->         branch_name varchar(20),
->         amount int,
->         primary key(loan_number),
->         foreign key(branch_name) references branch(branch_name));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> show tables;
+-----+
| Tables_in_bank |
+-----+
| bankaccount    |
| bankcustomer   |
| branch         |
| depositor      |
| loan           |
+-----+
5 rows in set (0.00 sec)
```

```
mysql> insert into branch values("SBI_Chamrajpet","Bangalore",50000);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> insert into branch values("SBI_ResidencyRoad","Bangalore",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> select * from branch;
+-----+-----+-----+
| branch_name | branch_city | assets |
+-----+-----+-----+
| SBI_Chamrajpet | Bangalore | 50000 |
| SBI_Jantarmantar | Delhi | 20000 |
| SBI_ParlimentRoad | Delhi | 10000 |
| SBI_ResidencyRoad | Bangalore | 10000 |
| SBI_ShivajiRoad | Bombay | 20000 |
+-----+-----+-----+
5 rows in set (0.00 sec)
```

ERROR 1553 (HY000): Cannot drop index 'PRIMARY': needed in a foreign key constraint

```
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);
```

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);
```

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> select * from bankaccount;
```

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> insert into bankcustomer values("Avinash","Bull_Temple_Road","Bangalore");
```

Query OK, 1 row affected (0.00 sec)

```
mysql> insert into bankcustomer values("Avinash","Bull_Temple_Road","Bangalore");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into bankcustomer values("Dinesh","Bannerghatta_Road","Bangalore");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into bankcustomer values("Mohan","NationalCollege_Road","Bangalore");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into bankcustomer values("Nikil","Akbar_Road","Delhi");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into bankcustomer values("Ravi","Prithviraj_Road","Delhi");
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from bankcustomer;
```

customer_name	customer_city	customer_street
Avinash	Bull_Temple_Road	Bangalore
Dinesh	Bannerghatta_Road	Bangalore
Mohan	NationalCollege_Road	Bangalore
Nikil	Akbar_Road	Delhi
Ravi	Prithviraj_Road	Delhi

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

```
mysql> insert into depositor values("Avinash", 1);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Dinesh", 2);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Nikil", 4);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Ravi", 5);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Avinash", 8);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Nikil", 9);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Dinesh", 10);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Nikil", 11);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into depositor values("Nikil", 11);
```

```
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from depositor;
```

customer_name	accno
Avinash	1
Dinesh	2
Nikil	4
Ravi	5
Avinash	8
Nikil	9
Dinesh	10
Nikil	11

```
8 rows in set (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_Jantarmentar",5000);
```

```
Query OK, 1 row affected (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_Jantarmentar	5000

```
5 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_Jantarmentar	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	0.5lakhs
SBI_Jantarmentar	0.2lakhs
SBI_ParlimentRoad	0.1lakhs
SBI_ResidencyRoad	0.1lakhs
SBI_ShivajiRoad	0.2lakhs

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

```
mysql> select d.customer_name
-> from depositor d, bankaccount b
-> where b.branch_name = 'SBI_ResidencyRoad"
'> and d.accno = b.accno
'> group by d.customer_name
'> having count(d.accno) >= 2;
'>
'> ;;
'> ;;
'> group by d.customer_name
'> select d.customer_name
'> from depositor d, bankaccount b
'> where b.branch_name = "SBI_ResidencyRoad"
'> and d.accno = b.accno
'> group by d.customer_name
'> having count(d.accno) >= 2;
'> |
```

```

-> insert into customer values('nam',0;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that correspon
and d.accno = b.accno
group by d.customer_name
having count(d' at line 20
mysql> select d.customer_name
-> from depositor d, bankaccount b
-> where b.branch_name = "SBI_ResidencyRoad"
-> and d.accno = b.accno
-> group by d.customer_name
-> having count(d.accno) >= 2;
+-----+
| customer_name |
+-----+
| Dinesh        |
+-----+
1 row in set (0.00 sec)

mysql> create view sum_of_loan
-> as select branch_name, sum(blance)
-> from bankaccount
-> group by branch_name;
ERROR 1054 (42S22): Unknown column 'blance' 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 (0.00 sec)

mysql> |

```