

Enter password: *****

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

Your MySQL connection id is 9

Server version: 8.0.36 MySQL Community Server - GPL

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

mysql> CREATE DATABASE;

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> CREATE DATABASE project2;

Query OK, 1 row affected (0.01 sec)

mysql> use project2;

Database changed

mysql> CREATE TABLE branch(branchname varchar(30), branchcity varchar(30), assets real, primary key(branchname));

Query OK, 0 rows affected (0.02 sec)

mysql> desc branch;

Field	Type	Null	Key	Default	Extra
branchname	varchar(30)	NO	PRI	NULL	
branchcity	varchar(30)	YES		NULL	
assets	double	YES		NULL	

3 rows in set (0.01 sec)

mysql> CREATE TABLE bankaccount(accno integer, branchname varchar(30), balance real, primary key(accno), foreign key(branchname) reference branch(branchname));

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 'reference branch(branchname))' at line 1

mysql> CREATE TABLE bankaccount(accno integer, branchname varchar(30), balance real, primary key(accno), foreign key(branchname) references branch(branchname));

Query OK, 0 rows affected (0.02 sec)

mysql> desc bankaccount;

Field	Type	Null	Key	Default	Extra
accno	int	NO	PRI	NULL	
branchname	varchar(30)	YES	MUL	NULL	
balance	double	YES		NULL	

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

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

```
mysql> CREATE TABLE bankcustomer(customername varchar(30), customerstreet varchar(30), customercity varchar(30), primary key(customername));  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc bankcustomer;
```

Field	Type	Null	Key	Default	Extra
customername	varchar(30)	NO	PRI	NULL	
customerstreet	varchar(30)	YES		NULL	
customercity	varchar(30)	YES		NULL	

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

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

```
mysql> CREATE TABLE depositer(customername varchar(30), accno integer, primary key(customername), foreign key(customername) references bankcustomer(customername), foreign key(accno) references bankaccount(accno));  
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> CREATE TABLE loan(loannumber integer, branchname varchar(30), amount real, primary key(loannumber), foreign key(branchname) references branch(branchname));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc loan;
ERROR 1146 (42S02): Table 'project2.loan' doesn't exist
mysql> drop laon;
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 'laon' at line 1
mysql> drop table laon;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> CREATE TABLE loan(loannumber integer, branchname varchar(30), amount real, primary key(loannumber), foreign key(branchname) references branch(branchname));
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> desc loan;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| loannumber | int       | NO   | PRI | NULL    |       |
| branchname | varchar(30) | YES  | MUL | NULL    |       |
| amount     | double    | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
mysql> INSERT INTO branch("SBI_Chamrajpet", "Bangalore", 2000);
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 '"SBI_Chamrajpet", "Bangalore", 2000)' at line 1
mysql> INSERT INTO branch values("SBI_Chamrajpet", "Bangalore", 2000);
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_ParliamentRoad", "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 loan values("SBI_Chamrajpet", 2000);
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> INSERT INTO loan values(1, "SBI_Chamrajpet", 2000);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO loan values(1, "SBI_Chamrajpet", 2000);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO loan values(2, "SBI_ShivajiRoad", 2000);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO loan values(3, "SBI_ParliamentRoad", 3000);
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> INSERT INTO loan values(4, "SBI_ResidencyRoad", 2000);
Query OK, 1 row affected (0.00 sec)

mysql> update loan
-> set amount=3000
-> ,loannumber = 3
-> where branchname=
-> "SBI_ShivajiRoad";
ERROR 1062 (23000): Duplicate entry '3' for key 'loan.PRIMARY'
mysql> update loan
-> set amount=3000
-> where branchname=
-> "SBI_ShivajiRoad";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update loan
-> set amount=4000
-> where branchname=
-> "SBI_ParliamentRoad";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> update loan
-> ;
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 '' at line 1
mysql> update loan
-> set amount=1000
-> where branchname=
-> "SBI_Chamrajpet";
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> commit;
Query OK, 0 rows 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);
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_ParliamentRoad", 9000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankaccount VALUES(5, "SBI_Jantarmantra", 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_ParliamentRoad", 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_Jantarmantra", 2000);
Query OK, 1 row affected (0.00 sec)

mysql> insert into bankcustomer("Avinash","BullTempleRoad","Bangalore");
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 '"Avinash","BullTempleRoad","Bangalore")' at line 1
mysql> insert into bankcustomer values("Avinash","BullTempleRoad","Bangalore");
Query OK, 1 row affected (0.00 sec)

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

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

mysql> insert into bankcustomer values("Nikhil","AkbarRoad","Delhi");
Query OK, 1 row affected (0.00 sec)

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

mysql> insert into depositor 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);

ERROR 1062 (23000): Duplicate entry 'Avinash' for key 'depositer.PRIMARY'

mysql> select * from branch;

branchname	branchcity	assets
SBI_Chamrajpet	Bangalore	2000
SBI_JantarMantar	Delhi	20000
SBI_ParliamentRoad	Delhi	10000
SBI_ResidencyRoad	Bangalore	10000
SBI_ShivajiRoad	Bombay	20000

5 rows in set (0.00 sec)

mysql> update branch

-> set assets = 50000

-> where branchname = "SBI_Chamrajpet";

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from branch;

branchname	branchcity	assets
SBI_Chamrajpet	Bangalore	50000
SBI_JantarMantar	Delhi	20000
SBI_ParliamentRoad	Delhi	10000
SBI_ResidencyRoad	Bangalore	10000
SBI_ShivajiRoad	Bombay	20000

5 rows in set (0.00 sec)

```
mysql> select * from bankaccount;
```

accno	branchname	balance
1	SBI_Chamrajpet	2000
2	SBI_ResidencyRoad	5000
3	SBI_ShivajiRoad	6000
4	SBI_ParliamentRoad	9000
5	SBI_Jantarmantar	8000
6	SBI_ShivajiRoad	4000
8	SBI_ResidencyRoad	4000
9	SBI_ParliamentRoad	3000
10	SBI_ResidencyRoad	5000
11	SBI_Jantarmantar	2000

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

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

customername	customerstreet	customercity
Avinash	BullTempleRoad	Bangalore
Dinesh	BannergattaRoad	Bangalore
Mohan	NationalCollegeRoad	Bangalore
Nikhil	AkbarRoad	Delhi
Ravi	PrithvirajRoad	Delhi

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

```
mysql> select * from depositer;
```

customername	accno
Avinash	1
Dinesh	2
Nikhil	4
Ravi	5

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

```
mysql> select * from loan;
```

loannumber	branchname	amount
1	SBI_Chamrajpet	1000
2	SBI_ShivajiRoad	3000
3	SBI_ParliamentRoad	4000
4	SBI_ResidencyRoad	2000
5	SBI_JantarMantar	5000

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

```
mysql> insert into depositer values("avinash", 8);
```

```
ERROR 1062 (23000): Duplicate entry 'avinash' for key 'depositer.PRIMARY'
```

```
mysql> ALTER TABLE depositer
```

```
    -> add primary key(accno);
```

```
ERROR 1068 (42000): Multiple primary key defined
```

```
mysql> ALTER TABLE depositer
```

```
    -> drop primary key;
```

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

```
mysql> ALTER TABLE depositer
```

```
    -> add primary key(customername, accno);
```

```
ERROR 1068 (42000): Multiple primary key defined
```

```
mysql> ALTER TABLE depositer
```

```
    -> add constraint pk_depositer primary key(accno);
```

```
ERROR 1068 (42000): Multiple primary key defined
```

```
mysql> ALTER TABLE depositer
```

```
    -> add constraint pk_depositer primary key(customername, accno);
```

```
ERROR 1068 (42000): Multiple primary key defined
```

```
mysql> drop table depositer;
```

```
Query OK, 0 rows affected (0.02 sec)
```

```
mysql> CREATE TABLE depositer(customername varchar(30), accno integer, primary key(customername, accno)  
, foreign key(customername) references bankcustomer(customername), foreign key(accno) references banka  
ccount(accno));
```

```
Query OK, 0 rows affected (0.02 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("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> 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 Branch_name, CONCAT(assets/100000,&#39;lakhs&#39;)assets_in_lakhs
```

```
-> from branch;
```

```
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 '&#39;lakhs&#39;' at line 1
```

```
mysql> Select branchname, concat(assets/10000,'lakhs')assets_in_lakhs from branch;
```

branchname	assets_in_lakhs
SBI_Chamrajpet	5lakhs
SBI_JantarMantar	2lakhs
SBI_ParliamentRoad	1lakhs
SBI_ResidencyRoad	1lakhs
SBI_ShivajiRoad	2lakhs

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

```
mysql> SELECT d.customername from depositerd, bankaccount b where b.branchname="SBI_ResidencyRoad" and d.accno=b.accno group by d.customername having count(d.accno)>=2;
```

```
ERROR 1146 (42S02): Table 'project2.depositerd' doesn't exist
```

```
mysql> SELECT d.customername from depositer d, bankaccount b where b.branchname="SBI_ResidencyRoad" and d.accno=b.accno group by d.customername having count(d.accno)>=2;
```

```
ERROR 1146 (42S02): Table 'project2.bankaccount' doesn't exist
```

```
mysql> SELECT d.customername from depositer d, bankaccount b where b.branchname="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> Create view sum_of_loan
```

```
-> as select branchname, sum(balance)
```

```
-> from bankaccount group by branchname;
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> select * from sum_of_loan;
```

branchname	sum(balance)
SBI_Chamrajpet	2000
SBI_Jantarmantar	10000
SBI_ParliamentRoad	12000
SBI_ResidencyRoad	14000
SBI_ShivajiRoad	10000

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

```
mysql> select bc.customername, concat(balance+1000,'rupees') updated_balance from bankaccount b, bankcustomer bc, depositor d where bc.customername = d.customername and b.accno=d.accno and bc.customercity='Bangalore';
```

customername	updated_balance
Avinash	3000rupees
Avinash	5000rupees
Dinesh	6000rupees
Dinesh	6000rupees

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

```
mysql>
```