

```
mysql> create database bank;
```

Query OK, 1 row affected (0.04 sec)

```
mysql> use bank;
```

Database changed

```
mysql> create table branch
```

```
-> (bid varchar(6),
```

```
-> bname varchar(30),
```

```
-> bcity varchar(30),
```

```
-> constraint branch_bid_pk primary key(bid)
```

```
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> create table customer
```

```
-> (
```

```
-> custid varchar(6),
```

```
-> fname varchar(30),
```

```
-> mname varchar(30),
```

```
-> lname varchar(30),
```

```
-> city varchar(30),
```

```
-> mobileno varchar(10),
```

```
-> occupation varchar(10),
```

```
-> dob date,
```

```
-> constraint customer_custid_pk primary key(custid)
```

```
-> );
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> create table account
```

```
-> (
```

```
-> acnumber varchar(6),
-> custid varchar(6),
-> bid varchar(6),
-> opening_balance int(7),
-> aod date,
-> atype varchar(10),
-> astatus varchar(10),
-> constraint account_acnumber_pk primary key(acnumber),
-> constraint account_custid_fk foreign key(custid) references customer(custid),
-> constraint account_bid_fk foreign key(bid) references branch(bid)
-> );
```

Query OK, 0 rows affected, 1 warning (0.07 sec)

mysql> create table transdetails

```
-> (
-> tnumber varchar(6),
-> acnumber varchar(6),
-> dot date,
-> medium_of_transaction varchar(20),
-> transaction_type varchar(20),
-> transaction_amount int(7),
-> constraint transdetails_tnumber_pk primary key(tnumber),
-> constraint transdetails_acnumber_fk foreign key(acnumber) references account(acnumber)
-> );
```

Query OK, 0 rows affected, 1 warning (0.11 sec)

mysql> create table loan

```
-> (
-> custid varchar(6),
```

```

-> bid varchar(6),
-> loan_amount int(7),
-> constraint loan_customer_custid_bid_pk primary key (custid,bid),
-> constraint loan_custid_fk foreign key (custid) references customer(custid),
-> constraint loan_bid_fk foreign key (bid) references branch(bid)
-> );

```

Query OK, 0 rows affected, 1 warning (0.06 sec)

```
mysql> show tables;
```

```

+-----+
| Tables_in_bank |
+-----+
| account      |
| branch       |
| customer      |
| loan          |
| transdetails  |
+-----+

```

5 rows in set (0.01 sec)

```
mysql> INSERT INTO customer
VALUES('C00001','Ramesh','Chandra','Sharma','Delhi','9543198345','Service','1976-12-06');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer
VALUES('C00002','Anup','Pradip','Meshram','Delhi','9876532109','Service','1999-03-17');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer
VALUES('C00003','Ravindra',null,'Bagale','Delhi','9765178901','Mentor','1981-09-26');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer  
VALUES('C00004','Parul',null,'Gandhi','Delhi','9876532109','Housewife','1976-11-03');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer  
VALUES('C00005','Naveen','Chandra','Aedekar','Mumbai','8976523190','Service','1976-09-19');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer  
VALUES('C00006','Chitresh',null,'Barwe','Mumbai','7651298321','Student','1992-11-06');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer  
VALUES('C00007','Amit','Kumar','Borkar','Mumbai','9875189761','Student','1981-09-06');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO customer  
VALUES('C00008','Nisha',null,'Damle','Mumbai','7954198761','Service','1975-12-03');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO customer  
VALUES('C00009','Abhishek',null,'Dutta','Kolkata','9856198761','Service','1973-05-22');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO customer  
VALUES('C00010','Shankar',null,'Nair','Chennai','8765489076','Service','1976-07-12');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> select * from customer;
```

custid	fname	mname	lname	city	mobilen	occupation	dob
C00001	Ramesh	Chandra	Sharma	Delhi	9543198345	Service	1976-12-06
C00002	Anup	Pradip	Meshram	Delhi	9876532109	Service	1999-03-17
C00003	Ravindra	NULL	Bagale	Delhi	9765178901	Mentor	1981-09-26
C00004	Parul	NULL	Gandhi	Delhi	9876532109	Housewife	1976-11-03
C00005	Naveen	Chandra	Aedekar	Mumbai	8976523190	Service	1976-09-19
C00006	Chitresh	NULL	Barwe	Mumbai	7651298321	Student	1992-11-06
C00007	Amit	Kumar	Borkar	Mumbai	9875189761	Student	1981-09-06
C00008	Nisha	NULL	Damle	Mumbai	7954198761	Service	1975-12-03
C00009	Abhishek	NULL	Dutta	Kolkata	9856198761	Service	1973-05-22
C00010	Shankar	NULL	Nair	Chennai	8765489076	Service	1976-07-12

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

```
mysql> INSERT INTO branch VALUES('B00001','Asaf ali road','Delhi');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO branch VALUES('B00002','New delhi main branch','Delhi');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO branch VALUES('B00003','Delhi cantt','Delhi');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO branch VALUES('B00004','Jasola','Delhi');
```

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO branch VALUES('B00005','Mahim','Mumbai');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO branch VALUES('B00006','Vile parle','Mumbai');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO branch VALUES('B00007','Mandvi','Mumbai');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO branch VALUES('B00008','Jadavpur','Kolkata');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO branch VALUES('B00009','Kodambakkam','Chennai');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> select * from branch;
```

bid	bname	bcity
B00001	Asaf ali road	Delhi
B00002	New delhi main branch	Delhi
B00003	Delhi cantt	Delhi
B00004	Jasola	Delhi
B00005	Mahim	Mumbai
B00006	Vile parle	Mumbai
B00007	Mandvi	Mumbai
B00008	Jadavpur	Kolkata
B00009	Kodambakkam	Chennai

9 rows in set (0.00 sec)

```
mysql> INSERT INTO account VALUES('A00001','C00001','B00001',1000,'2012-12-15','Saving','Active');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO account VALUES('A00002','C00002','B00001',1000,'2012-06-12','Saving','Active');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO account VALUES('A00003','C00003','B00002',1000,'2012-05-17','Saving','Active');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO account VALUES('A00004','C00002','B00005',1000,'2013-01-27','Saving','Active');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO account VALUES('A00005','C00006','B00006',1000,'2012-12-17','Saving','Active');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO account VALUES('A00006','C00007','B00007',1000,'2010-08-12','Saving','Suspended');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO account VALUES('A00007','C00007','B00001',1000,'2012-10-02','Saving','Active');
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO account VALUES('A00008','C00001','B00003',1000,'2009-11-09','Saving','Terminated');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO account VALUES('A00009','C00003','B00007',1000,'2008-11-30','Saving','Terminated');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO account VALUES('A00010','C00004','B00002',1000,'2013-03-01','Saving','Active');
```

Query OK, 1 row affected (0.03 sec)

```
mysql> select * from account;
```

acnumber	custid	bid	opening_balance	aod	atype	astatus
A00001	C00001	B00001	1000	2012-12-15	Saving	Active
A00002	C00002	B00001	1000	2012-06-12	Saving	Active
A00003	C00003	B00002	1000	2012-05-17	Saving	Active
A00004	C00002	B00005	1000	2013-01-27	Saving	Active
A00005	C00006	B00006	1000	2012-12-17	Saving	Active
A00006	C00007	B00007	1000	2010-08-12	Saving	Suspended
A00007	C00007	B00001	1000	2012-10-02	Saving	Active
A00008	C00001	B00003	1000	2009-11-09	Saving	Terminated
A00009	C00003	B00007	1000	2008-11-30	Saving	Terminated
A00010	C00004	B00002	1000	2013-03-01	Saving	Active

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

```
mysql> INSERT INTO transdetails VALUES('T00001','A00001','2013-01-01','Cheque','Deposit',2000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00002','A00001','2013-02-01','Cash','Withdrawal',1000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00003','A00002','2013-01-01','Cash','Deposit',2000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00004','A00002','2013-02-01','Cash','Deposit',3000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO transdetails VALUES('T00005','A00007','2013-01-11','Cash','Deposit',7000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO transdetails VALUES('T00006','A00007','2013-01-13','Cash','Deposit',9000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00007','A00001','2013-03-13','Cash','Deposit',4000);
```


Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00008','A00001','2013-03-14','Cheque','Deposit',3000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00009','A00001','2013-03-21','Cash','Withdrawal',9000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO transdetails VALUES('T00010','A00001','2013-03-22','Cash','Withdrawal',2000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO transdetails VALUES('T00011','A00002','2013-03-25','Cash','Withdrawal',7000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO transdetails VALUES('T00012','A00007','2013-03-26','Cash','Withdrawal',2000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> select * from transdetails;
```

tnumber	acnumber	dot	medium_of_transaction	transaction_type	transaction_amount
T00001	A00001	2013-01-01	Cheque	Deposit	2000
T00002	A00001	2013-02-01	Cash	Withdrawal	1000
T00003	A00002	2013-01-01	Cash	Deposit	2000
T00004	A00002	2013-02-01	Cash	Deposit	3000
T00005	A00007	2013-01-11	Cash	Deposit	7000
T00006	A00007	2013-01-13	Cash	Deposit	9000
T00007	A00001	2013-03-13	Cash	Deposit	4000
T00008	A00001	2013-03-14	Cheque	Deposit	3000
T00009	A00001	2013-03-21	Cash	Withdrawal	9000
T00010	A00001	2013-03-22	Cash	Withdrawal	2000
T00011	A00002	2013-03-25	Cash	Withdrawal	7000
T00012	A00007	2013-03-26	Cash	Withdrawal	2000

12 rows in set (0.00 sec)

```
mysql> INSERT INTO loan VALUES('C00001','B00001',100000);
```

Query OK, 1 row affected (0.01 sec)

```
mysql> INSERT INTO loan VALUES('C00002','B00002',200000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO loan VALUES('C00009','B00008',400000);
```

Query OK, 1 row affected (0.04 sec)

```
mysql> INSERT INTO loan VALUES('C00010','B00009',500000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO loan VALUES('C00001','B00003',600000);
```

Query OK, 1 row affected (0.03 sec)

```
mysql> INSERT INTO loan VALUES('C00002','B00001',600000);
```

Query OK, 1 row affected (0.03 sec)

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

custid	bid	loan_amount
C00001	B00001	100000
C00001	B00003	600000
C00002	B00001	600000
C00002	B00002	200000
C00009	B00008	400000
C00010	B00009	500000

6 rows in set (0.00 sec)