

## Create Tables

```
[mysql>
mysql> create table Branch (name VARCHAR(25) not null primary key, address VARCHAR(50));
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> █
```

```
mysql>
mysql> create table Customer (ssn CHAR(9) not null primary key, fname VARCHAR(25), lname VARCHAR (25) , phone CHAR(10), address VARCHAR (50), fv_branch VARCHAR(25), foreign key (fv_branch) references Branch(name));
Query OK, 0 rows affected (0.07 sec)
mysql> █
```

```
[mysql> create table Account (acc_no CHAR(9) not null primary key, balance DECIMAL (15,2), atype VARCHAR(10), fee DECIMAL (7,2));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> █
```

```
mysql> create table Owns( ssn CHAR(9) not null, acc_no CHAR(9) not null, own_date DATE, primary key (ssn, acc_no), foreign key (ssn) references Customer(ssn), foreign key (acc_no) references Account(acc_no));
Query OK, 0 rows affected (0.05 sec)
mysql> █
```

```
[mysql> create table Loan( loan_no CHAR(9) not null primary key, amount DECIMAL(15,2), ltype VARCHAR(10), interest_rate DECIMAL(7,4));
Query OK, 0 rows affected (0.08 sec)
```

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mysql> █
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```
mysql> create table Payment ( loan_no CHAR(9) not null, payment_no CHAR(4) not null, amount DECIMAL(10,2), method VARCHAR(10), status VARCHAR(10), due_date DATE, primary key(loan_no, payment_no), foreign key (loan_no) references Loan(loan_no));
Query OK, 0 rows affected (0.04 sec)
mysql> █
```

```
mysql> create table Borrows(ssn CHAR(9) not null, loan_no CHAR(9) not null, primary key(ssn, loan_no), foreign key(ssn) references Customer(ssn), foreign key (loan_no) references Loan(loan_no));
Query OK, 0 rows affected (0.06 sec)
```

## Tables Populate

```
mysql>
mysql> INSERT INTO Branch(name, address) VALUES ('Branch A','Street 123, XYZ');
Query OK, 1 row affected (0.01 sec)
```

```
mysql> █
```

```
mysql> INSERT INTO Customer(ssn, fname, lname, phone, address, fv_branch) VALUES ('123456789','Ahmed','Taaha','12345678','St. 1, City X, YZ','Branch A');
Query OK, 1 row affected (0.01 sec)
```

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mysql> █
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```
[mysql> INSERT INTO Account(acc_no, balance, atype, fee) VALUES ('112233',1000,'Savings',10.75);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> █
```

```
[mysql> INSERT INTO Owns(ssn, acc_no, own_date) VALUES ('123456789','112233','2023-06-22');
Query OK, 1 row affected (0.01 sec)
```

```
[mysql> INSERT INTO Loan(loan_no, amount, ltype, interest_rate) VALUES ('12345',550,'Student',0.095);
Query OK, 1 row affected (0.00 sec)

mysql> █
```

```
[mysql> INSERT INTO Payment(loan_no, payment_no, amount, method, status, due_date) VALUES ('12345','1',150,'Online','Normal','2023-06-30');
Query OK, 1 row affected (0.00 sec)

mysql> █
```

```
[mysql> INSERT INTO Payment(loan_no, payment_no, amount, method, status, due_date) VALUES ('12345','2',250,'Online','Late','2023-06-20');
Query OK, 1 row affected (0.00 sec)

mysql> █
```

```
[mysql> INSERT INTO Borrows(ssn, loan_no) VALUES ('123456789','12345');
Query OK, 1 row affected (0.01 sec)

mysql> █
```

Delete From table

```
[mysql> DELETE FROM Payment WHERE payment_no='1';
Query OK, 1 row affected (0.01 sec)

mysql> █
```

Update Table data

```
[mysql> UPDATE Account SET balance=1530.50 WHERE acc_no='112233';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> █
```

Drop tables

```
[mysql> drop table Payment;
Query OK, 0 rows affected (0.01 sec)

mysql> █
```

```
[mysql> drop table Borrows;
Query OK, 0 rows affected (0.01 sec)

mysql> █
```

```
[mysql> drop table Loan;  
Query OK, 0 rows affected (0.01 sec)  
  
mysql> █
```

```
[mysql> drop table Owns;  
Query OK, 0 rows affected (0.01 sec)  
  
mysql> █
```

```
[mysql> drop table Account;  
Query OK, 0 rows affected (0.02 sec)
```

```
[mysql> drop table Customer;  
Query OK, 0 rows affected (0.02 sec)  
  
mysql> █
```

```
[mysql> drop table Branch;  
Query OK, 0 rows affected (0.01 sec)
```