



```

1 •  create database loan_management_systems;
2 •  use loan_management_systems;
3 •  CREATE TABLE Customer (CustomerID int auto_increment primary key, Name varchar(100) not null,Email varchar(100) unique,Phone varchar(15));
4 •  CREATE TABLE LoanType (LoanTypeID int auto_increment primary key, loanTypeName varchar(50) not null ,InterestRate DECIMAL(5,2) not null);
5 •  CREATE TABLE Employee (EmployeeID int auto_increment primary key,Name varchar(100) NOT NULL,Email varchar(100),Role varchar(50));
6 •  CREATE TABLE Loan (LoanID int auto_increment primary key,CustomerID int not null,LoanTypeID int not null,EmployeeID int,Amount decimal(10,2) not null,StartDate date ,EndDate date
7   foreign key(CustomerID)references Customer(CustomerID),foreign key (LoanTypeID) references LoanType(LoanTypeID),foreign key (EmployeeID) references Employee(EmployeeID));
8 •  select*from customer;
9    -- Insert Customers
10 • INSERT INTO Customer (Name, Email, Phone)
11 VALUES
12 ('Priya Sharma', 'priya@gmail.com', '9876543210'),
13 ('Rahul Mehta', 'rahul@gmail.com', '9876543211');
14
15 -- Insert Loan Types

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: | Result Grid

CustomerID	Name	Email	Phone
1	Priya Sharma	priya@gmail.com	9876543210
2	Rahul Mehta	rahul@gmail.com	9876543211
NULL	NULL	NULL	NULL

No favorite game? Try these games!

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22 -- Insert Employees
23 • INSERT INTO Employee (Name, Email, Role)
24 VALUES
25 ('Anita R', 'anita@bank.com', 'Loan Officer'),
26 ('Vikram S', 'vikram@bank.com', 'Branch Manager');
27
28 -- Insert Loans
29 • INSERT INTO Loan (CustomerID, LoanTypeID, EmployeeID, Amount, StartDate, EndDate)
30 VALUES
31 (1, 1, 1, 200000.00, '2024-01-10', '2026-01-10'),
32 (2, 2, 2, 1500000.00, '2023-06-15', '2033-06-15');
33
34 • select*from customer;
35 • select*from loan type;
36

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

LoanID	CustomerID	LoanTypeID	EmployeeID	Amount	StartDate	EndDate
1	1	1	1	200000.00	2024-01-10	2026-01-10
2	2	2	2	1500000.00	2023-06-15	2033-06-15
HULL	HULL	HULL	HULL	HULL	HULL	HULL



Output | Action Output

#	Time	Action	Message
18	20:28:26	INSERT INTO Loan (CustomerID, LoanTypeID, EmployeeID, Amount, StartDate, EndDate) VALUES (1, 1, 1, 200000.00, '2024-01-10', '2026-01-10)	2 row(s) affected Records: 2 Duplicates: 0 Warnings: 0
19	20:28:38	select*from customer LIMIT 0, 500	2 row(s) returned
20	20:29:40	select*from loan type LIMIT 0, 500	2 row(s) returned

```
3 • INSERT INTO Employee (Name, Email, Role)
4 VALUES
5 ('Anita R', 'anita@bank.com', 'Loan Officer'),
6 ('Vikram S', 'vikram@bank.com', 'Branch Manager');
7
8 -- Insert Loans
9 • INSERT INTO Loan (CustomerID, LoanTypeID, EmployeeID, Amount, StartDate, EndDate)
0 VALUES
1 (1, 1, 1, 200000.00, '2024-01-10', '2026-01-10'),
2 (2, 2, 2, 1500000.00, '2023-06-15', '2033-06-15');
3
4 • select*from customer;
5 • select*from loan type;
6 • select*from employee;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

EmployeeID	Name	Email	Role
1	Anita R	anita@bank.com	Loan Officer
2	Vikram S	vikram@bank.com	Branch Manager
NULL	NULL	NULL	NULL

Employee 4 x

put ::::

Action Output

#	Time	Action	Message
21	20:30:20	select*from employees LIMIT 0, 500	Error Code: 1146. Table 'loan_management_systems.employees' doesn't exist
22	20:30:57	CREATE TABLE Employee (EmployeeID int auto_increment primary key,Name varchar(100) NOT NULL,Email v...	Error Code: 1050. Table 'employee' already exists
23	20:31:08	select*from employee LIMIT 0, 500	2 row(s) returned



```

25     ('Anita R', 'anita@bank.com', 'Loan Officer'),
26     ('Vikram S', 'vikram@bank.com', 'Branch Manager');
27
28 -- Insert Loans
29 • INSERT INTO Loan (CustomerID, LoanTypeID, EmployeeID, Amount, StartDate, EndDate)
30 VALUES
31 (1, 1, 1, 200000.00, '2024-01-10', '2026-01-10'),
32 (2, 2, 2, 1500000.00, '2023-06-15', '2033-06-15');
33
34 • select*from customer;
35 • select*from loan type;
36 • select*from employee;
37 • select*from loan;

```

Result Grid							
	LoanID	CustomerID	LoanTypeID	EmployeeID	Amount	StartDate	EndDate
▶	1	1	1	1	200000.00	2024-01-10	2026-01-10
▶	2	2	2	2	1500000.00	2023-06-15	2033-06-15
*	NUL	NUL	NUL	NUL	NUL	NUL	NUL

### loan 5 ×

#### Output

Action Output			Message
#	Time	Action	
✖	20:30:57	CREATE TABLE Employee (EmployeeID int auto_increment primary key,Name varchar(100) NOT NULL,Email v...	Error Code: 1050. Table 'employee' already exists
✓	20:31:08	select*from employee LIMIT 0, 500	2 row(s) returned
✓	20:31:42	select*from loan LIMIT 0, 500	2 row(s) returned

```
38
39 • alter table LoanType
40   rename column loanTypeName to  LoanCategory;
41 • select*from loantype;
42
```

result Grid | Filter Rows:  | Edit: | Export/Import: | Wrap Cell Content:

LoanTypeID	LoanCategory	InterestRate
1	Personal Loan	11.50
2	Home Loan	8.75
3	Education Loan	9.25
NULL	NULL	NULL

loantype 6 X

output

Action Output ▾

#	Time	Action	Message
24	20:31:42	select*from loan LIMIT 0, 500	2 row(s) returned
25	20:33:39	alter table LoanType rename column loanTypeName to  LoanCategory	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
26	20:33:49	select*from loantype LIMIT 0, 500	3 row(s) returned

```
33
34 • select*from customer;
35 • select*from loan type;
36 • select*from employee;
37 • select*from loan;
38
39 • alter table LoanType
40   rename column loanTypeName to  LoanCategory;
41 • select*from loantype;
42
43 • alter table Customer
44   ADD DateOfBirth date;
45 • select*from customer;
46
```

Result Grid				
Edit:  Export/Import:  Wrap Cell Content:				
CustomerID	Name	Email	Phone	DateOfBirth
1	Priya Sharma	priya@gmail.com	9876543210	HULL
2	Rahul Mehta	rahul@gmail.com	9876543211	HULL
*	HULL	HULL	HULL	HULL

customer 7 X

Output

Action Output	Message		
#	Time	Action	Message
26	20:33:49	select*from loantype LIMIT 0, 500	3 row(s) returned
27	20:35:07	alter table Customer ADD DateOfBirth date	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
28	20:35:15	select*from customer LIMIT 0, 500	2 row(s) returned



ENG IN

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47 • drop table loan;  
48 • select*from loan;
```

49  
50

put

Action	Output
#	Time
28	20:35:15
	select*from customer LIMIT 0, 500
29	20:36:34
	drop table loan
30	20:37:09
	select*from loan LIMIT 0, 500

Message

2 row(s) returned

0 row(s) affected

Error Code: 1146. Table 'loan\_management\_systems.loan' doesn't exist