

MySQL Workbench

Local Server x

File Edit View Query Database Server Tools Scripting Help

Navigator banking\_enterprise\*

Limit to 1000 rows

SCHEMAS

Filter objects

banking

Tables

- accounts
- borrower
- branch
- customer
- depositor
- loan

Views

Stored Procedures

Functions

book\_dealer

details

faculty\_login

insurance

order\_processing

sys

Administration Schemas

Information

Schema: banking

```
1 • create database banking;
2 • use banking;
3 • create table branch(branch_name varchar(30) primary key,branch_city varchar(30),assets real);
4 • create table accounts(accno int primary key,branch_name varchar(30),balance real,
5   foreign key (branch_name) references branch(branch_name)on delete cascade on update cascade);
6 • create table customer(customer_name varchar(30) primary key,customer_street varchar(20),customer_city varchar(20));
7 • create table depositor(customer_name varchar(30),accno int,primary key(customer_name ,accno),
8   foreign key (accno) references accounts(accno)on delete cascade on update cascade,
9   foreign key (customer_name) references customer(customer_name)on delete cascade on update cascade);
10 • create table loan(loan_number int primary key,branch_name varchar(30),amount real,foreign key (branch_name) references branch(branch_name));
11 • create table borrower (customer_name varchar(30),loan_number int,primary key(customer_name, loan_number),
12   foreign key (customer_name) references customer(customer_name)on delete cascade on update cascade,
13   foreign key (loan_number) references loan(loan_number)on delete cascade on update cascade);
14 • show tables;
15
16 • insert into branch values('SBI PD NAGAR','BANGALORE', 200000);
17 • insert into branch values('SBI RAJAJI NAGAR','BANGALORE', 500000);
18 • insert into branch values('SBI JAYANAGAR','DELHI', 660000);
19 • insert into branch values('SBI VIJAY NAGAR','CHENNAI', 870000);
20 • insert into branch values('SBI HOSAKEREHALLI','CHENNAI', 550000);
21 • select *from branch;
22
23 • insert into accounts values(1001, 'SBI PD NAGAR',15000);
24 • insert into accounts values(1002, 'SBI RAJAJI NAGAR',25000);
25 • insert into accounts values(1003, 'SBI JAYANAGAR',500);
26 • insert into accounts values(1004, 'SBI VIJAY NAGAR',10000);
27 • insert into accounts values(1005,'SBI VIJAY NAGAR',40000);
28 • insert into accounts values(1006, 'SBI HOSAKEREHALLI',4000);
29 • insert into accounts values(1007, 'SBI RAJAJI NAGAR',7000);
```

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Administration Schemas

Information

Schema: banking

```
27 • insert into accounts values(1005,'SBI VIJAY NAGAR',40000);
28 • insert into accounts values(1006,'SBI HOSAKEREHALLI',4000);
29 • insert into accounts values(1007,'SBI RAJAJI NAGAR',7000);
30 • insert into accounts values(1008,'SBI RAJAJI NAGAR',7000);
31 • select*from accounts;
32
33 • insert into customer values('KEZAR','M G ROAD','BANGALORE');
34 • insert into customer values('LAL KRISHNA','ST MKS ROAD','DELHI');
35 • insert into customer values('RAHUL','AUGSTEN ROAD','CHENNAI');
36 • insert into customer values('FAIZAL','RESEGENCY ROAD','BANGALORE');
37 • insert into customer values('RAJEEV','DICKNSN ROAD','CHENNAI');
38 • select *from customer;
39
40 • insert into depositor values('KEZAR',1001);
41 • insert into depositor values('KEZAR',1002);
42 • insert into depositor values('LAL KRISHNA',1003);
43 • insert into depositor values('RAHUL',1004);
44 • insert into depositor values('RAHUL',1005);
45 • insert into depositor values('FAIZAL',1006);
46 • insert into depositor values('RAJEEV',1007);
47 • insert into depositor values('RAJEEV',1008);
48 • select *from depositor;
49
50 • insert into loan values(10011,'SBI PD NAGAR',10000);
51 • insert into loan values(10012,'SBI RAJAJI NAGAR',5000);
52 • insert into loan values(10013,'SBI RAJAJI NAGAR',20000);
53 • insert into loan values(10014,'SBI JAYANAGAR',15000);
54 • insert into loan values(10015,'SBI HOSAKEREHALLI',25000);
55 • select *from loan;
```

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Limit to 1000 rows

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Administration Schemas

Information

Schema: banking

```
42 • insert into depositor values('LAL KRISHNA',1003);
43 • insert into depositor values('RAHUL',1004);
44 • insert into depositor values('RAHUL',1005);
45 • insert into depositor values('FAIZAL',1006);
46 • insert into depositor values('RAJEEV',1007);
47 • insert into depositor values('RAJEEV',1008);
48 • select *from depositor;
49
50 • insert into loan values(10011,'SBI PD NAGAR',10000);
51 • insert into loan values(10012,'SBI RAJAJI NAGAR',5000);
52 • insert into loan values(10013,'SBI RAJAJI NAGAR',20000);
53 • insert into loan values(10014,'SBI JAYANAGAR',15000);
54 • insert into loan values(10015,'SBI HOSAKEREHALLI',25000);
55 • select *from loan;
56
57 • insert into borrower values('FAIZAL', 10011);
58 • insert into borrower values('KEZAR', 10012);
59 • insert into borrower values('FAIZAL', 10013);
60 • insert into borrower values('LAL KRISHNA', 10014);
61 • insert into borrower values('RAJEEV', 10015);
62 • select *from borrower;
63
64 • select customer_name from depositor d, accounts a where d.accno=a.accno and a.branch_name="SBI VIJAY NAGAR" group by d.customer_name having count(d.customer_name) >= 2;
65
66 • select d.customer_name from accounts a, branch b, depositor d where b.branch_name=a.branch_name and a.accno=d.accno and b.branch_city="BANGALORE"
67 group by d.customer_name having count(distinct b.branch_name)=(select count(branch_name) from branch where branch_city="BANGALORE");
68
69 • delete from accounts where branch_name in(select branch_name from branch where branch_city="BANGALORE");
70 • select *from accounts;
```



## Navigator

## SCHEMAS

Filter objects

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banking\_enterprise\*



```
13
14 • insert into branch values('SBI PD NAGAR','BANGALORE', 200000);
15 • insert into branch values('SBI RAJAJI NAGAR','BANGALORE', 500000);
16 • insert into branch values('SBI JAYANAGAR','DELHI', 660000);
17 • insert into branch values('SBI VIJAY NAGAR','CHENNAI', 870000);
18 • insert into branch values('SBI HOSAKEREHALLI','CHENNAI', 550000);
19 • select *from branch;
20
21 • insert into accounts values(1001, 'SBI PD NAGAR',15000);
```

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

	branch_name	branch_city	assets
▶	SBI HOSAKEREHALLI	CHENNAI	550000
	SBI JAYANAGAR	DELHI	660000
	SBI PD NAGAR	BANGALORE	200000
	SBI RAJAJI NAGAR	BANGALORE	500000
	SBI VIJAY NAGAR	CHENNAI	870000
*	NULL	NULL	NULL



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Navigator: banking\_enterprise\*

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Limit to 1000 rows

```
25 • insert into accounts values(1005,'SBI VIJAY NAGAR',40000);
26 • insert into accounts values(1006,'SBI HOSAKEREHALLI',4000);
27 • insert into accounts values(1007,'SBI RAJAJI NAGAR',7000);
28 • insert into accounts values(1008,'SBI RAJAJI NAGAR',7000);
29 • select*from accounts;
30
31 • insert into customer values('KEZAR','M G ROAD','BANGALORE');
32 • insert into customer values('LAL KRISHNA','ST MKS ROAD','DELHI');
33 • insert into customer values('RAHUL','AUGSTEN ROAD','CHENNAI');
```

Result Grid

	accno	branch_name	balance
▶	1001	SBI PD NAGAR	15000
	1002	SBI RAJAJI NAGAR	25000
	1003	SBI JAYANAGAR	500
	1004	SBI VIJAY NAGAR	10000
	1005	SBI VIJAY NAGAR	40000
	1006	SBI HOSAKEREHALLI	4000
	1007	SBI RAJAJI NAGAR	7000
	1008	SBI RAJAJI NAGAR	7000
*	NULL	NULL	NULL

Edit: Export/Import: Wrap Cell Content:



## SCHEMAS

Filter objects

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```
31 • insert into customer values('KEZAR','M G ROAD','BANGALORE');
32 • insert into customer values('LAL KRISHNA','ST MKS ROAD','DELHI');
33 • insert into customer values('RAHUL','AUGSTEN ROAD','CHENNAI');
34 • insert into customer values('FAIZAL','RESEGENCY ROAD','BANGALORE');
35 • insert into customer values('RAJEEV','DICKNSN ROAD','CHENNAI');
36 • select *from customer;
37
38 • insert into depositor values('KEZAR',1001);
39 • insert into depositor values('KEZAR',1002);
```

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

	customer_name	customer_street	customer_city
▶	FAIZAL	RESEGENCY ROAD	BANGALORE
	KEZAR	M G ROAD	BANGALORE
	LAL KRISHNA	ST MKS ROAD	DELHI
	RAHUL	AUGSTEN ROAD	CHENNAI
	RAJEEV	DICKNSN ROAD	CHENNAI
*	NULL	NULL	NULL



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```
40 • insert into depositor values('LAL KRISHNA',1003);
41 • insert into depositor values('RAHUL',1004);
42 • insert into depositor values('RAHUL',1005);
43 • insert into depositor values('FAIZAL',1006);
44 • insert into depositor values('RAJEEV',1007);
45 • insert into depositor values('RAJEEV',1008);
46 • select *from depositor;
47
48 • insert into loan values(10011,'SBI PD NAGAR',10000);
```

	customer_name	accno
▶	KEZAR	1001
	KEZAR	1002
	LAL KRISHNA	1003
	RAHUL	1004
	RAHUL	1005
	FAIZAL	1006
	RAJEEV	1007
	RAJEEV	1008
*	NULL	NULL

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Limit to 1000 rows

```
47
48 • insert into loan values(10011,'SBI PD NAGAR',10000);
49 • insert into loan values(10012,'SBI RAJAJI NAGAR',5000);
50 • insert into loan values(10013,'SBI RAJAJI NAGAR',20000);
51 • insert into loan values(10014,'SBI JAYANAGAR',15000);
52 • insert into loan values(10015,'SBI HOSAKEREHALLI',25000);
53 • select *from loan;
54
```

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

	loan_number	branch_name	amount
▶	10011	SBI PD NAGAR	10000
	10012	SBI RAJAJI NAGAR	5000
	10013	SBI RAJAJI NAGAR	20000
	10014	SBI JAYANAGAR	15000
	10015	SBI HOSAKEREHALLI	25000
*	NULL	NULL	NULL

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Limit to 1000 rows

54

55 • insert into borrower values('FAIZAL', 10011);

56 • insert into borrower values('KEZAR', 10012);

57 • insert into borrower values('FAIZAL', 10013);

58 • insert into borrower values('LAL KRISHNA', 10014);

59 • insert into borrower values('RAJEEV', 10015);

60 • select \*from borrower;

61

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

	customer_name	loan_number
▶	FAIZAL	10011
	KEZAR	10012
	FAIZAL	10013
	LAL KRISHNA	10014
	RAJEEV	10015
*	NULL	NULL

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Navigator

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Limit to 1000 rows

```
56 • insert into borrower values('KEZAR', 10012);
57 • insert into borrower values('FAIZAL', 10013);
58 • insert into borrower values('LAL KRISHNA', 10014);
59 • insert into borrower values('RAJEEV', 10015);
60 • select *from borrower;
61
62 • select customer_name from depositor d, accounts a where d.accno=a.accno and a.branch_name="SBI VIJAY NAGAR" group by d.customer_name having count(d.customer_name) >= 2;
63
```

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

customer_name
RAHUL



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banking\_enterprise\*



Limit to 1000 rows

63

64

65 • select d.customer\_name from accounts a, branch b, depositor d where b.branch\_name=a.branch\_name and a.accno=d.accno and b.branch\_city="BANGALORE" |

66 group by d.customer\_name having count(distinct b.branch\_name)=(select count(branch\_name) from branch where branch\_city="BANGALORE");

67



Result Grid Filter Rows: Export: Wrap Cell Content: IA

	customer_name
▶	KEZAR

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67 • select d.customer\_name from accounts a, branch b, depositor d where b.branch\_name=a.branch\_name and a.accno=d.accno and b.branch\_city="BANGALORE"

68 group by d.customer\_name having count(distinct b.branch\_name)=(select count(branch\_name) from branch where branch\_city="BANGALORE");

69

70 • delete from accounts where branch\_name in(select branch\_name from branch where branch\_city="BANGALORE");

71 • select \*from accounts;

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

	accno	branch_name	balance
▶	1003	SBI JAYANAGAR	500
	1004	SBI VIJAY NAGAR	10000
	1005	SBI VIJAY NAGAR	40000
	1006	SBI HOSAKEREHALLI	4000
*	NULL	NULL	NULL

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