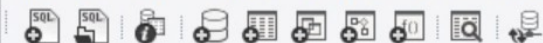


```
1 • create database banking;
2 use banking;
3 create table branch(branch_name varchar(30) primary key,branch_city varchar(30),assets real);
4 create table accounts(accno int primary key,branch_name varchar(30),balance real,
5 foreign key (branch_name) references branch(branch_name)on delete cascade 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);
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;
```

MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

lab 3 dbms SQL File 4* x lab 5 dbms*

Limit to 1000 rows

```
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 /*1*/
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 /*2*/
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 /*3*/
69 • delete from accounts where branch_name in(select branch_name from branch where branch_city="BANGALORE");
70 select *from accounts;
```

Type here to search

16:33 26-05-2021

MySQL Workbench

dbms server

File Edit View Query Database Server Tools Scripting Help

lab 3 dbms SQL File 4* lab 5 dbms*

Limit to 1000 rows

```
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 /*1*/
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 /*2*/
```

Result Grid

customer_name
RAHUL

Result 11

Read Only

Type here to search

16:34 26-05-2021

MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

lab 3 dbms SQL File 4* x lab 5 dbms*

Limit to 1000 rows

```
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 /*1*/
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 /*2*/
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");
```

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

customer_name

Result 12 x Read Only

Type here to search

16:34 26-05-2021

MySQL Workbench

dbms server x

File Edit View Query Database Server Tools Scripting Help

lab 3 dbms SQL File 4* x lab 5 dbms*

Limit to 1000 rows

```
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);
```

Result Grid

	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

customer 14 x

Apply Revert