

BANK INTERPRICE DATABASE

OUTPUT:-

Show tables:-

```
10 create table customer(customer_name varchar(20), customer_street varchar(20), city varchar(20), primary key(customer_name));
11 create table depositor(customer_name varchar(20), accno int, primary key(customer_name, accno),
12 foreign key(customer_name) references customer(customer_name) on update cascade, foreign key(accno) references accounts(accno) on delete cascade);
13 create table loan(loan_number int, branch_name varchar(30), amount real, primary key(loan_number),
14 foreign key(branch_name) references branch(branch_name) on delete cascade);
15 create table borrower(customer_name varchar(20), loan_number int, primary key(customer_name, loan_number),
16 foreign key(customer_name) references customer(customer_name) on update cascade, foreign key(loan_number) references loan(loan_number) on delete cascade);
17
18 show tables;
```

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

Tables_in_bank
accounts
borrower
branch
customer
depositor
loan

Select * from branch






```
22 insert into branch values("SBI PD NAGAR", "BANGALORE", 200000);
23 insert into branch values("SBI RAJAJI NAGAR", "BANGALORE", 500000);
24 insert into branch values("SBI JAYANAGAR", "BANGALORE", 660000);
25 insert into branch values("SBI VIJAY NAGAR", "BANGALORE", 870000);
26 insert into branch values("SBI HOSAKEREHALLI", "BANGALORE", 550000);
27
28 select * from branch;
29
```

Result Grid | Filter Rows: | Edit: | Export/Import: |

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

Select * from accounts

```
30 insert into accounts values(1234602, "SBI HOSAKEREHALLI", 5000);
31 insert into accounts values(1234603, "SBI VIJAY NAGAR", 5000);
32 insert into accounts values(1234604, "SBI JAYANAGAR", 5000);
33 insert into accounts values(1234605, "SBI RAJAJI NAGAR", 10000);
34 • insert into accounts values(1234503, "SBI VIJAY NAGAR", 40000);
35 • insert into accounts values(1234504, "SBI PD NAGAR", 4000);
36
37 • select * from accounts;
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:   			
Export/Import:  			
	accno	branch_name	balance
▶	1234503	SBI VIJAY NAGAR	40000
	1234504	SBI PD NAGAR	4000
	1234602	SBI HOSAKEREHALLI	5000
	1234603	SBI VIJAY NAGAR	5000
	1234604	SBI JAYANAGAR	5000
	1234605	SBI RAJAJI NAGAR	10000
▲	NULL	NULL	NULL

Select * from customer

```
39 • insert into customer values("KEZAR", "M G ROAD", "BANGALORE");
40 • insert into customer values("LAL KRISHNA", "ST MKS ROAD", "BANGALORE");
41   insert into customer values("RAHUL", "AUGSTEN ROAD", "BANGALORE");
42   insert into customer values("LALLU", "V S ROAD", "BANGALORE");
43 • insert into customer values("FAIZAL", "RESIDENCY ROAD", "BANGALORE");
44 • insert into customer values("RAJEEV", "DICKNSN ROAD", "BANGALORE");
45
46 • select * from customer;
```

Result Grid			
Filter Rows: <input type="text"/>			
Edit:			
Export/Import:			
Wrap			
	customer_name	customer_street	city
▶	FAIZAL	RESIDENCY ROAD	BANGALORE
	KEZAR	M G ROAD	BANGALORE
	LAL KRISHNA	ST MKS ROAD	BANGALORE
	LALLU	V S ROAD	BANGALORE
	RAHUL	AUGSTEN ROAD	BANGALORE
	RAJEEV	DICKNSN ROAD	BANGALORE
•	NULL	NULL	NULL

Select * from loan

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

Result Grid			
Filter Rows: <input type="text"/>			
Edit:			
Export/Import:			
	loan_number	branch_name	amount
▶	10011	SBI JAYANAGAR	10000
	10012	SBI VIJAY NAGAR	5000
	10013	SBI HOSAKEREHALLI	20000
	10014	SBI PD NAGAR	15000
	10015	SBI RAJAJI NAGAR	25000
•	NULL	NULL	NULL

Select * from depositor

```
64 insert into depositor values("LAL KRISHNA", 1234603);
65 insert into depositor values("LAL KRISHNA", 1234503);
66 insert into depositor values("KEZAR", 1234604);
67 • insert into depositor values("RAHUL", 1234602);
68 • insert into depositor values("LALLU", 1234504);
69
70 • select * from depositor;
71
72 -- Question 1
```

Result Grid			Filter Rows:	Edit:	Export
	customer_name	accno			
▶	LAL KRISHNA	1234503			
	LALLU	1234504			
	RAHUL	1234602			
	LAL KRISHNA	1234603			
	KEZAR	1234604			
•	NULL	NULL			

Query 1 :-

```
74 • 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;
75
```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	customer_name				
▶	LAL KRISHNA				

Query 2 :-

```
78 • 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"
79 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				

Query 3:-

```
83 • delete from accounts where branch_name in(select branch_name from branch where branch_city="BANGALORE");
84
85 • commit;
```

Result Grid			Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
	accno	branch_name	balance			
•	NULL	NULL	NULL			

