DBMS LAB

Name : B Ruchitha

Date: 16/10/25

BANK DATABASE

```
46
47 •    select * from branch;
48
```

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

branch_name	branchcity	assets
SBI_Chamrajpet	Bangalore	50000
SBI_Jantarmantar	Delhi	20000
SBI_ParliamentRoad	Delhi	10000
SBI_ResidencyRoad	Bangalore	10000
SBI_ShivajiRoad	Bombay	20000
NULL	NULL	NULL

```
80 •    select * from depositer;
81
```

Result Grid | Filter Rows: | Edit:

customer_name	accno
Avinash	1
Ruchitha	2
Mohan	3
Nikil	4
Mohan	5
Nikil	6
Ruchitha	7
NULL	NULL

```
56
57 •     select * from bank_customer;
58
59
```

customer_name	customer_street	city
Avinash	Bull_temple_Road	Bangalore
Mohan	National_College	Bangalore
Nikil	Akbar_Road	Delhi
Ravi	Prithviraj_Road	Delhi
Ruchitha	Kuvempu_nagar	Ballari
NULL	NULL	NULL

```
58 •     select * from bank_account;
59
60
```

accno	branch_name	balance
1	SBI_Chamrajpet	2000
2	SBI_ResidencyRoad	5000
3	SBI_ShivajiRoad	6000
4	SBI_ParliamentRoad	9000
5	SBI_Jantarmantar	8000
6	SBI_Chamrajpet	4000
7	SBI_ResidencyRoad	4000
NULL	NULL	NULL

```
88
89 •     select * from loan;
90
```

loan_number	branch_name	amount
1	SBI_Chamrajpet	1000
2	SBI_ResidencyRoad	2000
3	SBI_ShivajiRoad	3000
4	SBI_ParliamentRoad	4000
5	SBI_Jantarmantar	5000
NULL	NULL	NULL

Queries

```
125      /*4th question*/
126 •    SELECT branch_name
127      FROM branch
128      WHERE assets > (
129          SELECT MAX(assets)
130          FROM branch
131          WHERE branchcity = 'Bangalore'
132      );
```

| Result Grid | Filter Rows: | Edit: |

branch_name
NULL

```
1        /*3rd question*/
2 •      SELECT DISTINCT bc.customer_name
3        FROM bank_customer bc
4        JOIN depositer d ON bc.customer_name = d.customer_name
5        JOIN bank_account ba ON d.accno = ba.accno
6        JOIN branch br ON ba.branch_name = br.branch_name
7        JOIN loan l ON br.branch_name = l.branch_name WHERE br.branchcity = 'Bangalore';
8
```

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

customer_name
Avinash
Nikil
Ruchitha

```
135      /*2nd question*/
136 ●    select customer_name from bank_customer
137      where customer_name not in
138      (select distinct customer_name from depositer);
139
140
141      /*3rd question*/
```

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

	customer_name
▶	Ravi
✱	NULL

```
.11      /*1 st question*/
.12 ●    SELECT d.customer_name
.13      FROM depositer d
.14      JOIN bank_account a ON d.accno = a.accno
.15      JOIN branch b ON a.branch_name = b.branch_name
.16      WHERE b.branchcity = 'Delhi'
.17      GROUP BY d.customer_name
.18 ⊖    HAVING COUNT(DISTINCT a.branch_name) = (
.19          SELECT COUNT(*)
.20          FROM branch
.21          WHERE branchcity = 'Delhi'
.22      );
.23
.24
```

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

customer_name

SCHEMAS

Filter objects

◆ accno
▶ Indexes
▶ Foreign Keys
▶ Triggers
▼ loan
  ▼ Columns
    ◆ loan_number
    ◆ branch_name
    ◆ amount
  ▶ Indexes
  ▶ Foreign Keys
  ▶ Triggers
▼ Views
  ▶ branch_loan_summa
  Stored Procedures
  Functions
▶ dbms_086
▶ dbms_86
▶ insurance_database
▶ msa
▶ namemployee
▶ newdatabase
▶ product
▶ sakila
▶ school
▶ students
▶ sys
▶ world

Administration Schemas

Information

```
1 •     SELECT * FROM bank.branch_loan_summary;
```

Limit to 1000 rows

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

branch_name	total_loan_ammount
SBI_Chamrajpet	1000
SBI_Jantarmantar	5000
SBI_ParliamentRoad	4000
SBI_ResidencyRoad	2000
SBI_ShivajiRoad	3000

Table: loan

```
00
01
02 •     select branch_name,(assets/1000000)as "Assets in Lakhs"
03       from branch;
```

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

branch_name	Assets in Lakhs
SBI_Chamrajpet	0.0500
SBI_Jantarmantar	0.0200
SBI_ParliamentRoad	0.0100
SBI_ResidencyRoad	0.0100
SBI_ShivajiRoad	0.0200

```
92 •    select*from branch;
93 •    select d.customer_name,a.branch_name
94      from depositer d
95          join bank_account a on d.accno=a.accno
96      group by
97          d.customer_name,a.branch_name
98      having count(d.accno)>=2;
99      |
100
```

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

customer_name	branch_name
Ruchitha	SBI_ResidencyRoad

```
48
49      /*6th question*/
50 •    UPDATE bank_account
51      SET balance = balance + (balance * 0.05);
52
53 •    select *from bank_account;
54
```

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

accno	branch_name	balance
1	SBI_Chamrajpet	2100
2	SBI_ResidencyRoad	5250
3	SBI_ShivajiRoad	6300
4	SBI_ParliamentRoad	9450
5	SBI_Jantarmantar	8400
6	SBI_Chamrajpet	4200
7	SBI_ResidencyRoad	4200
NULL	NULL	NULL