DBMS WEEK 3

Enter at least five tuples for each relation.

```
41 •    select * from branch;
```

Result Grid | Filter Rows:

branchname	branchcity	assets
sbi_chamrajpet	bangalore	50000
sbi_jantarmantar	delhi	20000
sbi_parlimentroad	delhi	10000
sbi_residencyroad	bangalore	10000
sbi_shivajinagar	bombay	20000
NULL	NULL	NULL

```
53
54 •    select * from bankaccount;
55
56 •    insert into bankcustomer
```

Result Grid | Filter Rows:

accno	branchname	balance
1	sbi_chamrajpet	2000
2	sbi_residencyroad	5000
3	sbi_shivajinagar	6000
4	sbi_parlimentroad	9000
5	sbi_jantarmantar	8000
6	sbi_residencyroad	4000
7	sbi_chamrajpet	6000
8	sbi_chamrajpet	4000
9	sbi_chamrajpet	8000
NULL	NULL	NULL

```
63 •    select * from bankcustomer;
64
65 •    insert into depositor
```

Result Grid | Filter Rows: | Edit:

customername	customerstreet	customercity
avinash	bull temple road	bangalore
dinesh	bannergatta road	bangalore
mohan	national college road	bangalore
nikil	akbar road	delhi
ravi	prithviraj road	delhi
NULL	NULL	NULL

```
76 •    select * from depositor;
77
```

Result Grid | Filter Rows: | Edi

customername	accno
avinash	1
dinesh	2
mohan	3
nikil	4
ravi	5
avinash	6
dinesh	7
nikil	8
nikil	9
NULL	NULL

```
102 •   select * from loan;
103
104 •   select branchname AS 'Bran
```

Result Grid | Filter Rows:

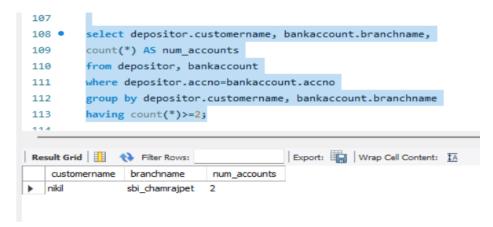| loannumber	branchname	amount
1	sbi_chamrajpet	1000
2	sbi_chamrajpet	2000
3	sbi_shivajinagar	3000
4	sbi_parlimentroad	4000
5	sbi_jantarmantar	5000
NULL	NULL	NULL

Display the branch name and assets from all branches in lakhs of rupees and rename the assets column to 'assets in lakhs'.

```
103
104 •    select branchname AS 'Branch Name', assets / 100000.0 AS 'Assets in Lakhs'
105      from branch;
```

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

Branch Name	Assets in Lakhs
sbi_chamrajpet	0.5
sbi_jantarmantar	0.2
sbi_parlimentroad	0.1
sbi_residencyroad	0.1
sbi_shivajinagar	0.2

Find all the customers who have at least two accounts at the same branch (ex. SBI_ResidencyRoad).

```
107
108 •    select depositor.customername, bankaccount.branchname,
109      count(*) AS num_accounts
110      from depositor, bankaccount
111      where depositor.accno=bankaccount.accno
112      group by depositor.customername, bankaccount.branchname
113      having count(*)>=2;
114
```

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

customername	branchname	num_accounts
nikil	sbi_chamrajpet	2

CREATE A VIEW WHICH GIVES EACH BRANCH THE SUM OF THE AMOUNT OF ALL THE LOANS AT THE BRANCH.

```
115 •    create view summary as
116      select branchname, sum(amount) as total_loan_amount
117      from loan
118      group by branchname;
119
120 •    select * from summary;
```

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

branchname	total_loan_amount
sbi_chamrajpet	3000
sbi_jantarmantar	5000
sbi_parlimentroad	4000
sbi_shivajinagar	3000