PROGRAM 4: BANK DATABASE (13/10)

Query 1: Find all the customers who have an account at all the branches located in a specific city (Ex. Delhi).

```
1
2   Select D.customername
3   From depositer D, bankaccount BA, branch B
4   where D.accno=BA.accno and BA.branch_name= B.branch_name and B.branch_city='Delhi'
5   group by D.customername
6   Having count(distinct(B.branch_name)) =
7   (select count(branch_name) from branch where branch_city = 'Delhi');
8
```

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

customername
Nikil

Query 2: Find all customers who have a loan at the bank but do not have an account.

```
18  select customername from borrower
19  where customername not in (select customername from depositer);
20
```

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

customername
Mohan

Query 3: Find the names of all branches that have greater assets than all branches located in Bangalore.

```
21 •  select branch_name from branch
22    where branch_city='Bangalore'
23    and assets = (select max(assets) from branch where branch_city='Bangalore');
24
```

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

branch_name
SBI_Chamrajpet
NULL

Query 4: Find all customers who have both an account and a loan at the Bangalore branch.

```
25 •  select customername from borrower b, loan l
26    where b.loannumber=l.loannumber and
27    l.branch_name in
28    (select branch_name from depositer,bankaccount ba where depositer.accno=ba.branch_name in
29    (select branch_name from branch where branch.branch_city="Bangalore"));
```

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

customername
Avinash
Dinesh

Query 5: Demonstrate how you delete all account tuples at every branch located in a specific city (Ex. Bombay).

```
31 •  delete from bankaccount where branch_name in (select branch_name from branch where branch_city='Bombay');
32 •  select * from bankaccount;
```

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

accno	branch_name	Balance
1	SBI_Chamrajpet	2000
2	SBI_ResidencyRoad	5000
4	SBI_ParlimentRoad	9000
5	SBI_Jantarmantar	8000
8	SBI_ResidencyRoad	4000
9	SBI_ParlimentRoad	3000
10	SBI_ResidencyRoad	5000
11	SBI_Jantarmantar	2000
NULL	NULL	NULL

Query 6: Update the Balance of all accounts by 5%

```
3 •  update branch
4    set assets=assets+(assets*0.5);
5 •  select * from branch;
6
```

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

branch_name	branch_city	assets
SBI_Chamrajpet	Bangalore	112500
SBI_Jantarmantar	Delhi	45000
SBI_ParlimentRoad	Delhi	22500
SBI_ResidencyRoad	Bangalore	22500
SBI_ShivajiRoad	Bombay	45000
NULL	NULL	NULL