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BATCH: 3K2

DBMS LAB

DATE: 7/11/25

## BANK DATABASE ADDITIONAL QUERIES

-- 4. Find all the customers who have an account at all the branches located in a specific city (e.g., Delhi)

```
SELECT D.CUSTOMERNAME
```

```
FROM Depositer D, BankAccount A, Branch B
```

```
WHERE D.ACCNO = A.ACCNO and A.BRANCHNAME = B.BRANCHNAME and B.BRANCHCITY = 'Delhi'
```

```
GROUP BY D.CUSTOMERNAME
```

```
HAVING COUNT(DISTINCT B.BRANCHNAME) = (
```

```
    SELECT COUNT(*)
```

```
    FROM Branch
```

```
    WHERE BRANCHCITY = 'Delhi');
```

Result Grid

Filter Rows:

	CUSTOMERNAME
▶	Nikil

-- 5. Find all customers who have a loan at the bank but do not have an account

```
SELECT DISTINCT C.CUSTOMERNAME
```

```
FROM BankCustomer C, Loan L, Branch B
```

```
WHERE L.BRANCHNAME = B.BRANCHNAME
```

```
AND C.CUSTOMERNAME NOT IN (
```

```
    SELECT CUSTOMERNAME FROM Depositer);
```

Result Grid



Filter Rows:

	CUSTOMERNAME
▶	Mohan

-- 6. Find all customers who have both an account and a loan at the Bangalore branch

```
SELECT DISTINCT D.CUSTOMERNAME
```

```
FROM Depositer D, BankAccount A, Branch B, Loan L
```

```
WHERE D.ACCNO = A.ACCNO and A.BRANCHNAME = B.BRANCHNAME AND B.BRANCHCITY =  
'Bangalore' AND L.BRANCHNAME = B.BRANCHNAME;
```

Result Grid		Filter Rows:
	CUSTOMERNAME	
▶	Avinash	
	Dinesh	

-- 7. Find the names of all branches that have greater assets than all branches located in Bangalore

```
SELECT BRANCHNAME
FROM Branch
WHERE ASSETS > ALL (
    SELECT ASSETS
    FROM Branch
    WHERE BRANCHCITY = 'Bangalore');
```

Result Grid		Filter Rows:
	BRANCHNAME	
*	NULL	

-- 8. Delete all account tuples at every branch located in a specific city (e.g., Bombay)

```
DELETE FROM BankAccount
WHERE BRANCHNAME IN (
    SELECT BRANCHNAME
    FROM Branch
    WHERE BRANCHCITY = 'Bombay');
SELECT * FROM BankAccount;
```



Result Grid		Filter Rows:
ACCNO	BRANCHNAME	BALANCE
▶ 1	SBI_Chamrajpet	2100.00
2	SBI_ResidencyRoad	5250.00
4	SBI_ParlimentRoad	9450.00
5	SBI_JantarMantar	8400.00
8	SBI_ResidencyRoad	4200.00
9	SBI_ParlimentRoad	3150.00
10	SBI_ResidencyRoad	5250.00
11	SBI_JantarMantar	2100.00
*	NULL	NULL

-- 9. Update the balance of all accounts by 5%

UPDATE BankAccount

SET BALANCE = BALANCE \* 1.05;

SELECT \* FROM BankAccount;

Result Grid   Filter Rows: <input type="text"/>			
	ACCNO	BRANCHNAME	BALANCE
▶	1	SBI_Chamrajpet	2100.00
	2	SBI_ResidencyRoad	5250.00
	4	SBI_ParlimentRoad	9450.00
	5	SBI_JantarMantar	8400.00
	8	SBI_ResidencyRoad	4200.00
	9	SBI_ParlimentRoad	3150.00
	10	SBI_ResidencyRoad	5250.00
	11	SBI_JantarMantar	2100.00
*	NULL	NULL	NULL