

NAME: SUMANT SHRIDHAR

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_ParliamentRoad	9450.00			
	5	SBI_JantarMantar	8400.00			
	8	SBI_ResidencyRoad	4200.00			
	9	SBI_ParliamentRoad	3150.00			
	10	SBI_ResidencyRoad	5250.00			
	11	SBI_JantarMantar	2100.00			
*	NULL	NULL	NULL			

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

UPDATE BankAccount

SET BALANCE = BALANCE * 1.05;

SELECT * FROM BankAccount;

	ACCNO	BRANCHNAME	BALANCE
▶	1	SBI_Chamrajpet	2100.00
	2	SBI_ResidencyRoad	5250.00
	4	SBI_ParliamentRoad	9450.00
	5	SBI_JantarMantar	8400.00
	8	SBI_ResidencyRoad	4200.00
	9	SBI_ParliamentRoad	3150.00
	10	SBI_ResidencyRoad	5250.00
	11	SBI_JantarMantar	2100.00
*	NULL	NULL	NULL