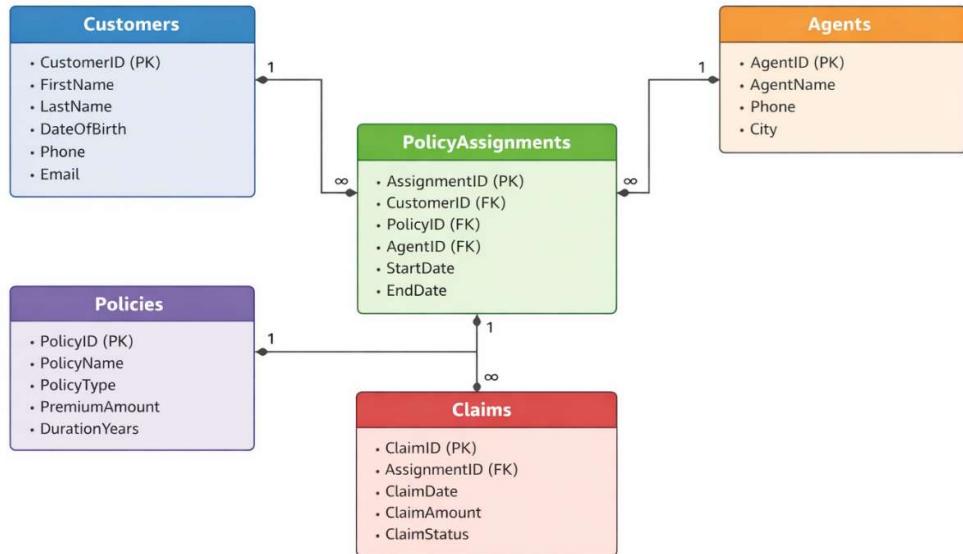


Below are **HANDS-ON PRACTICE QUESTIONS (Write-the-Query)**

Based on the **Insurance Schema** you used earlier, covers **JOINS, SUBQUERIES, SET OPERATORS**



SAMPLE DATA (INSERT SCRIPTS)

Customer

```
INSERT INTO Customer VALUES
(1, 'Amit Sharma', 'Mumbai'),
(2, 'Neha Verma', 'Delhi'),
(3, 'Rohit Singh', 'Mumbai'),
(4, 'Pooja Mehta', 'Pune'),
(5, 'Karan Patel', 'Ahmedabad');
```

Policy

```
INSERT INTO Policy VALUES
(101, 'Life', 25000),
(102, 'Health', 15000),
(103, 'Motor', 8000),
(104, 'Life', 30000),
(105, 'Health', 18000);
```

PolicyAssignment

```
INSERT INTO PolicyAssignment VALUES
(1, 1, 101, '2023-01-01'),
(2, 1, 102, '2023-02-10'),
(3, 2, 103, '2023-03-15'),
(4, 3, 104, '2023-04-20'),
(5, 4, 102, '2023-05-12');
```

Claim

```
INSERT INTO Claim VALUES
(201, 101, 60000),
(202, 103, 15000),
(203, 104, 90000);
```

A. JOIN-BASED PRACTICE (1–10)

- Q1. List all customers with their policy types.**
- Q2. Find customers who have no policy.**
- Q3. Display policy details along with claim amount (if any).**
- Q4. Show customers with more than one policy.**
- Q5. List policies that have no claims.**
- Q6. Find customers and their total premium amount.**
- Q7. Show policy count per policy type.**
- Q8. List customers who made claims greater than 50,000.**
- Q9. Show policy types purchased by customers from Mumbai.**
- Q10. Find total claim amount per policy type.**

B. SUBQUERY-BASED PRACTICE (11–20)

- Q11. Find customers who have taken premium above average.**
- Q12. Policies having highest premium.**
- Q13. Customers with no claims.**
- Q14. Safer version using NOT EXISTS.**
- Q15. Policies taken by more than one customer.**
- Q16. Customers with maximum total premium.**
- Q17. Policies with no assignments.**
- Q18. Customers who purchased Life policy.**
- Q19. Customers having more policies than average.**
- Q20. Policies with claim amount greater than average claim.**

◆ C. SET OPERATOR PRACTICE (21–30)

- Q21. Customers who bought Life OR Health policies.**
- Q22. Customers who bought both Life AND Health.**
- Q23. Customers who bought Life but NOT Health.**
- Q24. All customers with policies (allow duplicates).**
- Q25. Distinct customers with policies.**
- Q26. Policies having claims OR assignments.**
- Q27. Policies with claims but no assignments (data issue).**
- Q28. Common policies in Claim and Assignment.**
- Q29. Customers with policies but no claims.**

Q30. Combine all customer IDs from multiple sources.

◆ MORE JOIN PRACTICE QUERIES (WITH OUTPUT)

Q1. List all customers and their policies (show NULL if no policy).

Output

CustomerName PolicyType

Amit Sharma Life

Amit Sharma Health

Neha Verma Motor

Rohit Singh Life

Pooja Mehta Health

Karan Patel NULL

Q2. List all policies and assigned customers (include unassigned).

Output

PolicyType CustomerName

Life Amit Sharma

Health Amit Sharma

Motor Neha Verma

Life Rohit Singh

Health Pooja Mehta

Health NULL

Q3. Customers who have at least one claim.

Output

CustomerName

Amit Sharma

Neha Verma

Rohit Singh

Q4. Policies that have claims with claim amount.

Output

PolicyType ClaimAmount

Life 60000

Motor 15000

Life 90000

Q5. Customers with total claim amount (NULL if no claim).

Output

CustomerName TotalClaim

Amit Sharma 60000

Neha Verma 15000

Rohit Singh 90000

Pooja Mehta NULL

Karan Patel NULL

Q6. Customers with no claims.

Output

CustomerName

Pooja Mehta

Karan Patel

Q7. Policies taken by customers from Mumbai.

Output

PolicyType

Life

Health

Q8. Customer-wise policy count.

Output

CustomerName PolicyCount

Amit Sharma 2

Neha Verma 1

Rohit Singh 1

Pooja Mehta 1

Karan Patel 0

Q9. Policies with no claims.**Output****PolicyType**

Health

Health

Q10. Customer & policy where claim > 50,000.**Output****CustomerName PolicyType ClaimAmount**

Amit Sharma Life 60000

Rohit Singh Life 90000

Q11. Customers and policies using RIGHT JOIN.**Output**

(Same as LEFT JOIN from Policy side)

Q12. Find policies that are assigned multiple times.**Output**

No rows

Q13. Customer-Policy matrix (CROSS JOIN).**Output**

25 rows (5×5)

Q14. Customers and policies with FULL OUTER JOIN.

Output

Includes:

- Customers without policies
 - Policies without assignments
-

Q15. Customers whose policy has a claim.**Output****CustomerName**

Amit Sharma

Neha Verma

Rohit Singh

◆ FEW MORE IMPORTANT QUERIES with EXPECTED OUTPUTS**Q1. Customers with Policy Types****Output****CustomerName PolicyType**

Amit Sharma Life

Amit Sharma Health

Neha Verma Motor

Rohit Singh Life

Pooja Mehta Health

Q2. Customers with NO Policy**Output****CustomerName**

Karan Patel

Q3. Policies with Claim Amount (if any)**Output**

PolicyType ClaimAmount

Life 60000

Health NULL

Motor 15000

Life 90000

Health NULL

Q4. Customers with MORE THAN ONE Policy

Output

CustomerName PolicyCount

Amit Sharma 2

Q5. Policies with NO Claims

Output

PolicyType

Health

Health

Q6. Total Premium per Customer

Output

CustomerName TotalPremium

Amit Sharma 40000

Neha Verma 8000

Rohit Singh 30000

Pooja Mehta 15000

Q7. Customers with Claims > 50,000

Output

CustomerName

Amit Sharma

Rohit Singh

Q8. Customers with NO Claims (NOT EXISTS)**Output****CustomerName**

Neha Verma

Pooja Mehta

Karan Patel

Q9. Life OR Health Customers (UNION)**Output****CustomerName**

Amit Sharma

Rohit Singh

Pooja Mehta

Q10. Life BUT NOT Health (EXCEPT)**Output****CustomerName**

Rohit Singh

Q11. Customers with BOTH Life & Health (INTERSECT)**Output****CustomerName**

Amit Sharma