

DBMS LAB EXAM

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DATABASE TABLE







1. Accident

Table:	accident				
	report_id	customer_id	year_of_accident		
	Filter	Filter	Filter		
1	R1	2	2006		
2	R2	1	2007		
3	R3	4	2008		
4	R4	3	2009		
5	R5	10	2009		
6	R6	12	2009		
7	R7	14	2010		
8	R8	7	2011		
9	R9	8	2014		
10	R10	9	2017		

2. Customer


Table: customer    						
	customer_id	name	contact	model_id	license	year_of_purchase
	Filter	Filter	Filter	Filter	Filter	Filter
1	1	Ankit	9000000001	M1	L5001	2006
2	2	Dheeraj	9000000002	M6	L6001	2006
3	3	Kapil	9000000003	M1	L7001	2006
4	4	Somyadeep	9000000004	M5	L8001	2007
5	5	Tarun	9000000005	M2	L9001	2007
6	6	Sujeet	9000000006	M7	L5002	2006
7	7	Palash	9000000007	M3	L6002	2006
8	8	Aayush	9000000008	M7	L7002	2007
9	9	Anirudh	9000000009	M4	L8002	2007
10	10	Indraj	9000000010	M8	L9002	2006
11	11	Yash	9000000011	M9	L5003	2006
12	12	Vivek	9000000012	M10	L6003	2007
13	13	Aditya	9000000013	M4	L7003	2006
14	14	Piyush	9000000014	M10	L8003	2007

3. Insurance_Claim_record

Table:  insurance_claim_record     

	claim_id	claim_year	customer_id	model_id	report_id
	Filter	Filter	Filter	Filter	Filter
1	C1	2007	2	M6	R1
2	C2	2008	1	M1	R2
3	C3	2009	4	M5	R3
4	C4	2010	3	M1	R4
5	C5	2010	10	M8	R5
6	C6	2010	12	M10	R6
7	C7	2011	14	M10	R7
8	C8	2012	7	M3	R8
9	C9	2015	8	M7	R9
10	C10	2018	9	M4	R10

4. Insurance_record

Table:  insurance_record



	insurance_id	customer_id	surance_renewe
	Filter	Filter	Filter
1	1	4	YES
2	2	14	NO
3	3	8	YES
4	4	9	NO
5	5	12	YES
6	6	13	NO
7	7	6	NO
8	8	7	YES
9	9	1	NO
10	10	2	YES
11	11	3	NO
12	12	5	YES
13	13	10	NO
14	14	11	YES
15	15	2	NO
16	16	9	YES
17	17	4	YES
18	18	10	NO

5. Vehicle

Table:

vehicle



	model_id	type_of_vehicle
	Filter	Filter
1	M1	two wheeler
2	M2	car
3	M3	two wheeler
4	M4	car
5	M5	two wheeler
6	M6	car
7	M7	two wheeler
8	M8	car
9	M9	two wheeler
10	M10	car

Query 1:

SELECT COUNT(customer.customer_id) FROM customer, accident

WHERE customer.customer_id = accident.customer_id

AND accident.year_of_accident = 2009

AND customer.model_id in ('M2','M4','M6','M8','M10')

The screenshot shows a SQL query execution interface. At the top, there is a tab labeled "SQL 1". Below it, the query is displayed in a text area with line numbers 1 through 4. The query is:
1 SELECT COUNT(customer.customer_id) FROM customer, accident
2 WHERE customer.customer_id = accident.customer_id
3 AND accident.year_of_accident = 2009
4 AND customer.model_id in ('M2','M4','M6','M8','M10')
Below the query, there is a horizontal scrollbar. Underneath the scrollbar, the results are shown in a table with one column labeled "COUNT(customer.customer_id)" and one row with the value "2". At the bottom, there is a section for execution details, which states: "Result: 1 rows returned in 12ms", "At line 1:", and the full query text.

```
SQL 1
```

```
1 SELECT COUNT(customer.customer_id) FROM customer, accident
2 WHERE customer.customer_id = accident.customer_id
3 AND accident.year_of_accident = 2009
4 AND customer.model_id in ('M2','M4','M6','M8','M10')
```

COUNT(customer.customer_id)
2

Result: 1 rows returned in 12ms
At line 1:
SELECT COUNT(customer.customer_id) FROM customer, accident
WHERE customer.customer_id = accident.customer_id AND accident.year_of_accident = 2009 AND customer.model_id in ('M2','M4','M6','M8','M10')

Query 2:

SELECT * FROM insurance_record

WHERE insurance_id BETWEEN 11 AND 20

SQL 1 ✕

SQL 2 ✕

```
1 SELECT * FROM insurance_record
2 WHERE insurance_id BETWEEN 11 AND 20
```

	insurance_id	customer_id	insurance_renewed
1	11	3	NO
2	12	5	YES
3	13	10	NO
4	14	11	YES
5	15	2	NO
6	16	9	YES
7	17	4	YES
8	18	10	NO
9	19	14	YES
10	20	12	YES

Result: 10 rows returned in 9ms
At line 1:
SELECT * FROM insurance_record
WHERE insurance_id BETWEEN 11 AND 20

Query 3:

SELECT * FROM insurance_claim_record

WHERE claim_year IN ('2010', '2018') AND model_id IN

(SELECT model_id FROM vehicle WHERE vehicle.type_of_vehicle = "two wheeler")

The screenshot shows a SQL IDE interface with three tabs: SQL 1, SQL 2, and SQL 3. SQL 3 is the active tab and contains the following SQL query:

```
1 SELECT * FROM insurance_claim_record
2 WHERE claim_year IN ('2010', '2018') AND model_id IN
3 (SELECT model_id FROM vehicle WHERE vehicle.type_of_vehicle = "two wheeler")
```

Below the query editor, the results are displayed in a table with the following columns: claim_id, claim_year, customer_id, model_id, and report_id. The table contains one row of data:

	claim_id	claim_year	customer_id	model_id	report_id
1	C4	2010	3	M1	R4

At the bottom of the IDE, the execution results are shown:

Result: 1 rows returned in 13ms
At line 1:
SELECT * FROM insurance_claim_record
WHERE claim_year IN ('2010', '2018') AND model_id IN
(SELECT model_id FROM vehicle WHERE vehicle.type_of_vehicle = "two wheeler")

Query 4:

```
SELECT customer_id, customer.model_id, customer.license FROM customer  
WHERE customer.year_of_purchase = '2006'
```

SQL 1 SQL 2 SQL 3 SQL 4

```
1 SELECT customer_id, customer.model_id, customer.license FROM customer  
2 WHERE customer.year_of_purchase = '2006'
```

	customer_id	model_id	license
1	1	M1	L5001
2	2	M6	L6001
3	3	M1	L7001
4	6	M7	L5002
5	7	M3	L6002
6	10	M8	L9002
7	11	M9	L5003
8	13	M4	L7003

Result: 8 rows returned in 14ms
At line 1:
SELECT customer_id, customer.model_id, customer.license FROM customer
WHERE customer.year_of_purchase = '2006'

Query 5:

SELECT customer.customer_id, accident.report_id, customer.name, customer.license,
customer.model_id,

customer.year_of_purchase,

insurance_claim_record.claim_id, insurance_claim_record.claim_year,

insurance_record.insurance_id, insurance_record.insurance_renewed

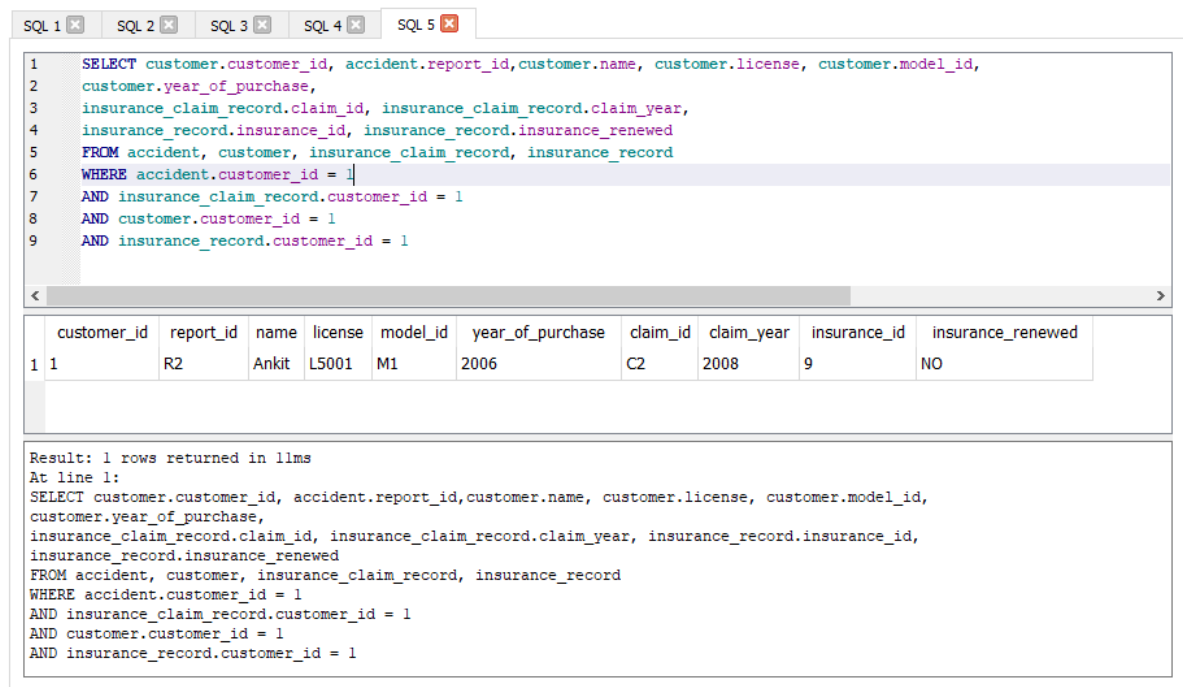
FROM accident, customer, insurance_claim_record, insurance_record

WHERE accident.customer_id = 1

AND insurance_claim_record.customer_id = 1

AND customer.customer_id = 1

AND insurance_record.customer_id = 1



The screenshot shows a SQL IDE interface with five tabs labeled SQL 1 through SQL 5. SQL 5 is the active tab and contains the following SQL query:

```
1 SELECT customer.customer_id, accident.report_id, customer.name, customer.license, customer.model_id,
2 customer.year_of_purchase,
3 insurance_claim_record.claim_id, insurance_claim_record.claim_year,
4 insurance_record.insurance_id, insurance_record.insurance_renewed
5 FROM accident, customer, insurance_claim_record, insurance_record
6 WHERE accident.customer_id = 1
7 AND insurance_claim_record.customer_id = 1
8 AND customer.customer_id = 1
9 AND insurance_record.customer_id = 1
```

Below the query editor, a table displays the results of the query. The table has 10 columns: customer_id, report_id, name, license, model_id, year_of_purchase, claim_id, claim_year, insurance_id, and insurance_renewed. There is one row of data.

	customer_id	report_id	name	license	model_id	year_of_purchase	claim_id	claim_year	insurance_id	insurance_renewed
1	1	R2	Ankit	L5001	M1	2006	C2	2008	9	NO

At the bottom of the IDE, a status bar indicates: "Result: 1 rows returned in 11ms". Below this, the text "At line 1:" is followed by the same SQL query as shown in the editor.