

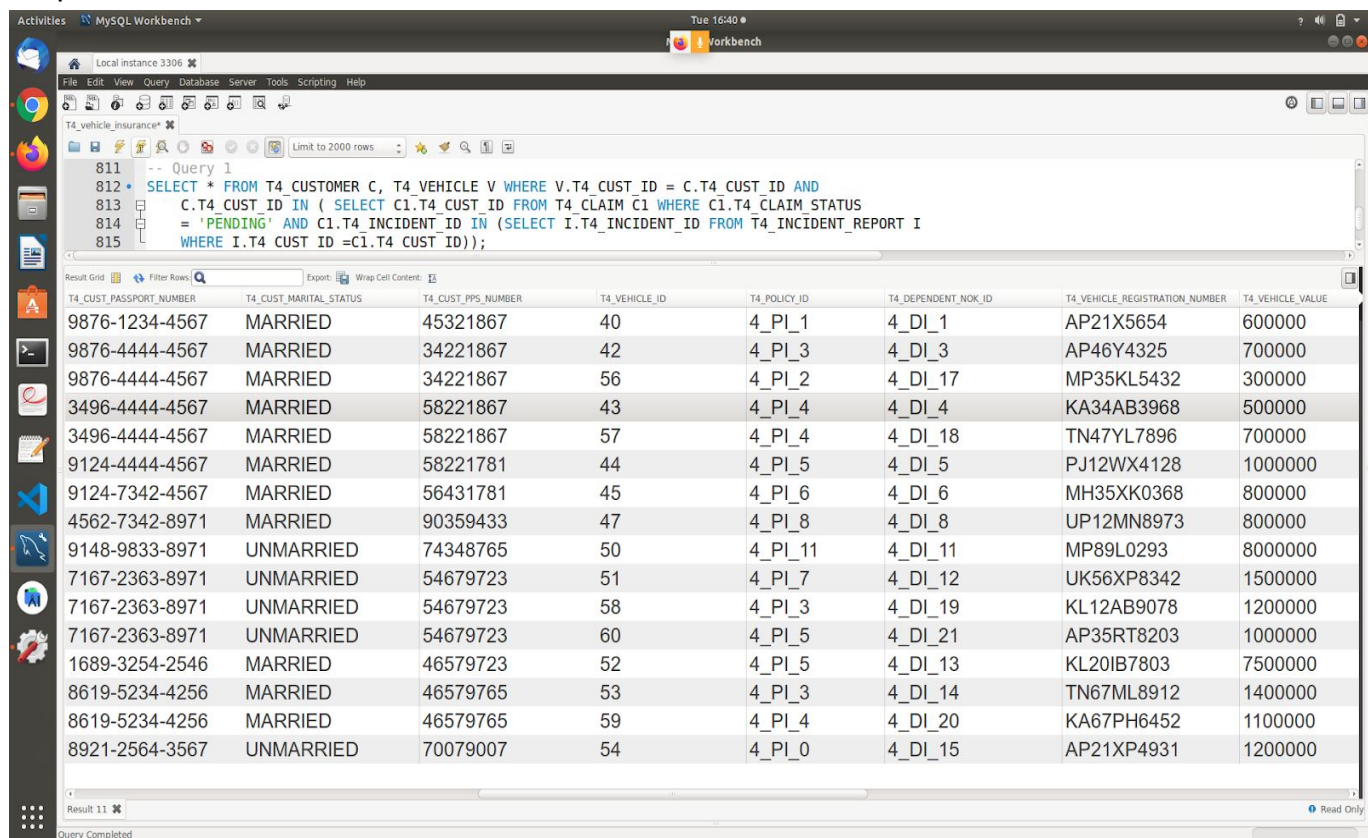
Vehicle Insurance Database Queries

1. Retrieve Customer and Vehicle details who has been involved in an incident and claim status is pending

Query :

```
SELECT * FROM T4_CUSTOMER C, T4_VEHICLE V WHERE V.T4_CUST_ID = C.T4_CUST_ID AND C.T4_CUST_ID IN ( SELECT C1.T4_CUST_ID FROM T4_CLAIM C1 WHERE C1.T4_CLAIM_STATUS= 'PENDING' AND C1.T4_INCIDENT_ID IN (SELECT I.T4_INCIDENT_ID FROM T4_INCIDENT_REPORT I WHERE I.T4_CUST_ID =C1.T4_CUST_ID));
```

Output :



The screenshot shows the MySQL Workbench interface. The query editor at the top contains the SQL query. Below it, the 'Result Grid' tab is active, displaying the query results in a table format. The table has 8 columns: T4_CUST_PASSPORT_NUMBER, T4_CUST_MARITAL_STATUS, T4_CUST_PPS_NUMBER, T4_VEHICLE_ID, T4_POLICY_ID, T4_DEPENDENT_NOK_ID, T4_VEHICLE_REGISTRATION_NUMBER, and T4_VEHICLE_VALUE. There are 16 rows of data.

T4_CUST_PASSPORT_NUMBER	T4_CUST_MARITAL_STATUS	T4_CUST_PPS_NUMBER	T4_VEHICLE_ID	T4_POLICY_ID	T4_DEPENDENT_NOK_ID	T4_VEHICLE_REGISTRATION_NUMBER	T4_VEHICLE_VALUE
9876-1234-4567	MARRIED	45321867	40	4_PI_1	4_DI_1	AP21X5654	600000
9876-4444-4567	MARRIED	34221867	42	4_PI_3	4_DI_3	AP46Y4325	700000
9876-4444-4567	MARRIED	34221867	56	4_PI_2	4_DI_17	MP35KL5432	300000
3496-4444-4567	MARRIED	58221867	43	4_PI_4	4_DI_4	KA34AB3968	500000
3496-4444-4567	MARRIED	58221867	57	4_PI_4	4_DI_18	TN47YL7896	700000
9124-4444-4567	MARRIED	58221781	44	4_PI_5	4_DI_5	PJ12WX4128	1000000
9124-7342-4567	MARRIED	56431781	45	4_PI_6	4_DI_6	MH35XK0368	800000
4562-7342-8971	MARRIED	90359433	47	4_PI_8	4_DI_8	UP12MN8973	800000
9148-9833-8971	UNMARRIED	74348765	50	4_PI_11	4_DI_11	MP89L0293	8000000
7167-2363-8971	UNMARRIED	54679723	51	4_PI_7	4_DI_12	UK56XP8342	1500000
7167-2363-8971	UNMARRIED	54679723	58	4_PI_3	4_DI_19	KL12AB9078	1200000
7167-2363-8971	UNMARRIED	54679723	60	4_PI_5	4_DI_21	AP35RT8203	1000000
1689-3254-2546	MARRIED	46579723	52	4_PI_5	4_DI_13	KL20IB7803	7500000
8619-5234-4256	MARRIED	46579765	53	4_PI_3	4_DI_14	TN67ML8912	1400000
8619-5234-4256	MARRIED	46579765	59	4_PI_4	4_DI_20	KA67PH6452	1100000
8921-2564-3567	UNMARRIED	70079007	54	4_PI_0	4_DI_15	AP21XP4931	1200000

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Local instance 3306

File Edit View Query Database Server Tools Scripting Help

T4_vehicle_insurance*

Limit to 2000 rows

```
811 -- Query 1
812 SELECT * FROM T4_CUSTOMER C, T4_VEHICLE V WHERE V.T4_CUST_ID = C.T4_CUST_ID AND
813 C.T4_CUST_ID IN ( SELECT C1.T4_CUST_ID FROM T4_CLAIM C1 WHERE C1.T4_CLAIM_STATUS
814 = 'PENDING' AND C1.T4_INCIDENT_ID IN (SELECT I.T4_INCIDENT_ID FROM T4_INCIDENT_REPORT I
815 WHERE I.T4_CUST_ID =C1.T4_CUST_ID));
```

Result Grid Filter Rows Export Wrap Cell Content

T4_VEHICLE_TYPE	T4_VEHICLE_SIZE	T4_VEHICLE_NUMBER_OF_SEAT	T4_VEHICLE_MANUFACTURER	T4_VEHICLE_ENGINE_NUMBER	T4_VEHICLE_CHASIS_NUMBER	T4_VEHICLE_NUMBER	T4_VEHICLE
CAR	6	5	HONDA	765	90	125	MOD3
JEEP	4	3	MARUTI	568	92	129	MOD5
JEEP	7	5	HONDA	112	106	014	MOD4
MACRO-CAR	7	6	ERTIGA	458	93	852	MOD7
TEMPO	7	5	TATA	113	107	015	MOD4
LARGE-CAR	5	4	HERO	963	94	457	MOD9
JEEP	9	7	XYLO	485	95	631	MOD1
MINI	6	3	BENZ	210	97	023	MOD3
MACRO-CAR	9	5	JAGUAR	789	100	55	MOD7
TEMPO	8	6	TOYOTA	985	101	632	MOD8
CAR	7	5	AUDI	114	108	016	MOD5
CAR	7	5	KIA	116	105	013	MOD2
CAR	7	7	LAMBORGINI	347	102	451	MOD9
JEEP	5	4	KIA	888	103	999	MOD1
MACRO-CAR	7	5	HERO	119	105	017	MOD3
MOTOR-CAR	8	6	HONDA	21	104	012	MOD8

Result 11

Query Completed

Activities MySQL Workbench Tue 16:40

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

T4_vehicle_insurance*

Limit to 2000 rows

```
811 -- Query 1
812 SELECT * FROM T4_CUSTOMER C, T4_VEHICLE V WHERE V.T4_CUST_ID = C.T4_CUST_ID AND
813 C.T4_CUST_ID IN ( SELECT C1.T4_CUST_ID FROM T4_CLAIM C1 WHERE C1.T4_CLAIM_STATUS
814 = 'PENDING' AND C1.T4_INCIDENT_ID IN (SELECT I.T4_INCIDENT_ID FROM T4_INCIDENT_REPORT I
815 WHERE I.T4_CUST_ID =C1.T4_CUST_ID));
```

Result Grid Filter Rows Export Wrap Cell Content

ZE	T4_VEHICLE_NUMBER_OF_SEAT	T4_VEHICLE_MANUFACTURER	T4_VEHICLE_ENGINE_NUMBER	T4_VEHICLE_CHASIS_NUMBER	T4_VEHICLE_NUMBER	T4_VEHICLE_MODEL_NUMBER	T4_CUST_ID
	5	HONDA	765	90	125	MOD34	400
	3	MARUTI	568	92	129	MOD56	402
	5	HONDA	112	106	014	MOD46	402
	6	ERTIGA	458	93	852	MOD78	403
	5	TATA	113	107	015	MOD45	403
	4	HERO	963	94	457	MOD90	404
	7	XYLO	485	95	631	MOD1	405
	3	BENZ	210	97	023	MOD3	407
	5	JAGUAR	789	100	55	MOD7	410
	6	TOYOTA	985	101	632	MOD8	411
	5	AUDI	114	108	016	MOD57	411
	5	KIA	116	105	013	MOD22	411
	7	LAMBORGINI	347	102	451	MOD9	412
	4	KIA	888	103	999	MOD10	413
	5	HERO	119	105	017	MOD33	413
	6	HONDA	21	104	012	MOD89	414

Result 11

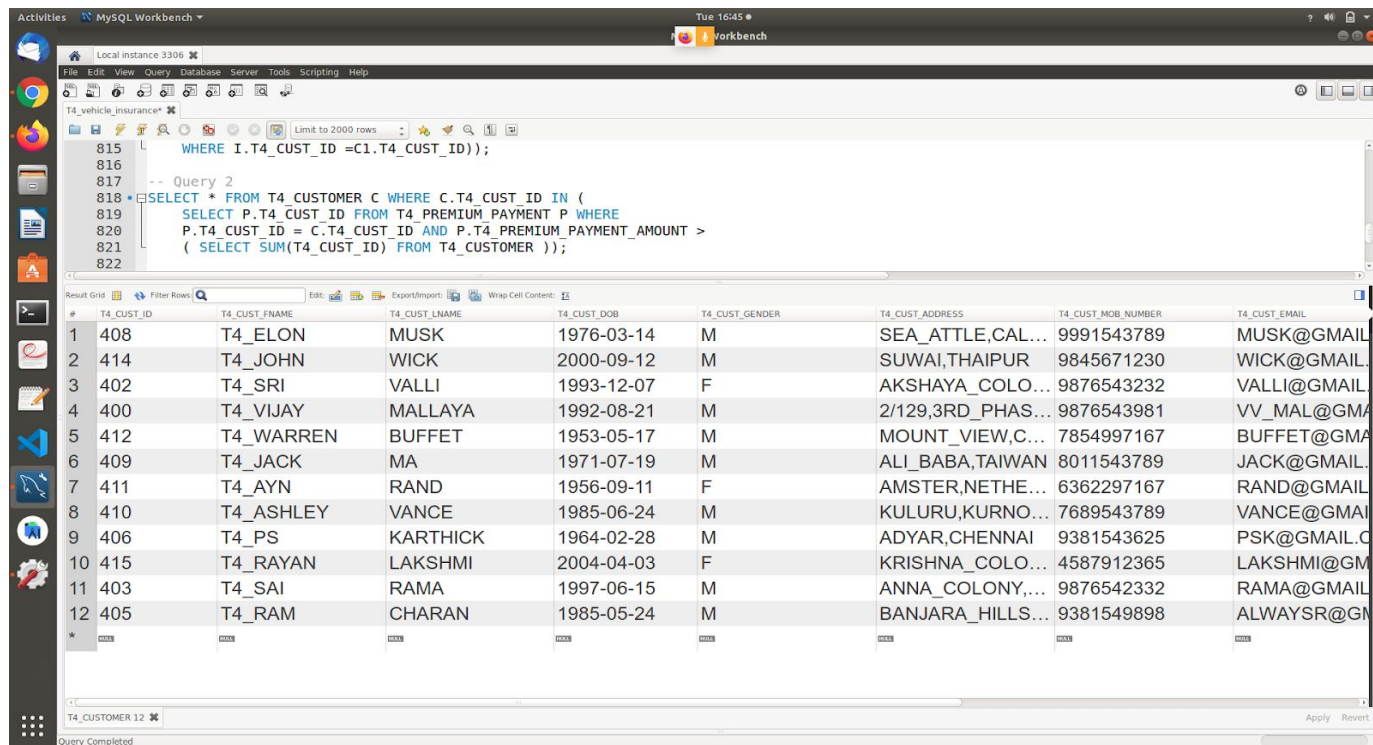
Query Completed

2. Retrieve customer details who has premium payment amount greater than the sum of all the customerIds in the database

Query :

```
SELECT * FROM T4_CUSTOMER C WHERE C.T4_CUST_ID IN (SELECT  
P.T4_CUST_ID FROM T4_PREMIUM_PAYMENT P WHERE P.T4_CUST_ID =  
C.T4_CUST_ID AND P.T4_PREMIUM_PAYMENT_AMOUNT > ( SELECT  
SUM(T4_CUST_ID) FROM T4_CUSTOMER ));
```

Output :



The screenshot shows the MySQL Workbench interface. The top pane displays a SQL query (Query 2) that filters customers based on their premium payment amount relative to the sum of all customer IDs. The bottom pane shows the result grid with 12 rows of customer data.

#	T4_CUST_ID	T4_CUST_FNAME	T4_CUST_LNAME	T4_CUST_DOB	T4_CUST_GENDER	T4_CUST_ADDRESS	T4_CUST_MOB_NUMBER	T4_CUST_EMAIL
1	408	T4_ELON	MUSK	1976-03-14	M	SEA_ATTLE,CAL...	9991543789	MUSK@GMAIL
2	414	T4_JOHN	WICK	2000-09-12	M	SUWAI,THAIPUR	9845671230	WICK@GMAIL
3	402	T4_SRI	VALLI	1993-12-07	F	AKSHAYA_COLO...	9876543232	VALLI@GMAIL
4	400	T4_VIJAY	MALLAYA	1992-08-21	M	2/129,3RD_PHAS...	9876543981	VV_MAL@GMA
5	412	T4_WARREN	BUFFET	1953-05-17	M	MOUNT_VIEW,C...	7854997167	BUFFET@GMA
6	409	T4_JACK	MA	1971-07-19	M	ALI_BABA,TAIWAN	8011543789	JACK@GMAIL
7	411	T4_AYN	RAND	1956-09-11	F	AMSTER,NETHE...	6362297167	RAND@GMAIL
8	410	T4_ASHLEY	VANCE	1985-06-24	M	KULURU,KURNO...	7689543789	VANCE@GMAI
9	406	T4_PS	KARTHICK	1964-02-28	M	ADYAR,CHENNAI	9381543625	PSK@GMAIL.C
10	415	T4_RAYAN	LAKSHMI	2004-04-03	F	KRISHNA_COLO...	4587912365	LAKSHMI@GM
11	403	T4_SAI	RAMA	1997-06-15	M	ANNA_COLONY,...	9876542332	RAMA@GMAIL
12	405	T4_RAM	CHARAN	1985-05-24	M	BANJARA_HILLS...	9381549898	ALWAYS@GN

Activities MySQL Workbench Tue 16:45 Yorkbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

T4_vehicle_insurance

Limit to 2000 rows

```

815 WHERE I.T4_CUST_ID =C1.T4_CUST_ID));
816
817 -- Query 2
818 *SELECT * FROM T4_CUSTOMER C WHERE C.T4_CUST_ID IN (
819 SELECT P.T4_CUST_ID FROM T4_PREMIUM_PAYMENT P WHERE
820 P.T4_CUST_ID = C.T4_CUST_ID AND P.T4_PREMIUM_PAYMENT_AMOUNT >
821 ( SELECT SUM(T4_CUST_ID) FROM T4_CUSTOMER ));
822

```

	T4_CUST_GENDER	T4_CUST_ADDRESS	T4_CUST_MOB_NUMBER	T4_CUST_EMAIL	T4_CUST_PASSPORT_NUMBER	T4_CUST_MARITAL_STATUS	T4_CUST_PPS_NUMBER
4	M	SEA_ATTLE,CAL...	9991543789	MUSK@GMAIL.C...	1594-7342-8971	MARRIED	90356322
2	M	SUWAI,THAIPUR	9845671230	WICK@GMAIL.C...	8921-2564-3567	UNMARRIED	70079007
7	F	AKSHAYA_COLO...	9876543232	VALLI@GMAIL.C...	9876-4444-4567	MARRIED	34221867
1	M	2/129,3RD_PHAS...	9876543981	VV_MAL@GMAI...	9876-1234-4567	MARRIED	45321867
7	M	MOUNT_VIEW,C...	7854997167	BUFFET@GMAIL...	1689-3254-2546	MARRIED	46579723
9	M	ALI_BABA,TAIWAN	8011543789	JACK@GMAIL.C...	4951-7342-8971	MARRIED	45546322
1	F	AMSTER,NETHE...	6362297167	RAND@GMAIL.C...	7167-2363-8971	UNMARRIED	54679723
4	M	KULURU,KURNO...	7689543789	VANCE@GMAIL....	9148-9833-8971	UNMARRIED	74348765
3	M	ADYAR,CHENNAI	9381543625	PSK@GMAIL.COM	4562-7342-4567	UNMARRIED	65931781
3	F	KRISHNA_COLO...	4587912365	LAKSHMI@GMAI...	1275-2564-3883	UNMARRIED	69879007
5	M	ANNA_COLONY,...	9876542332	RAMA@GMAIL.C...	3496-4444-4567	MARRIED	58221867
4	M	BANJARA_HILLS...	9381549898	ALWAYS@GMA...	9124-7342-4567	MARRIED	56431781

T4_CUSTOMER 12

Query Completed

3. Retrieve Company details whose number of products is greater than departments, where the departments are located in more than one location

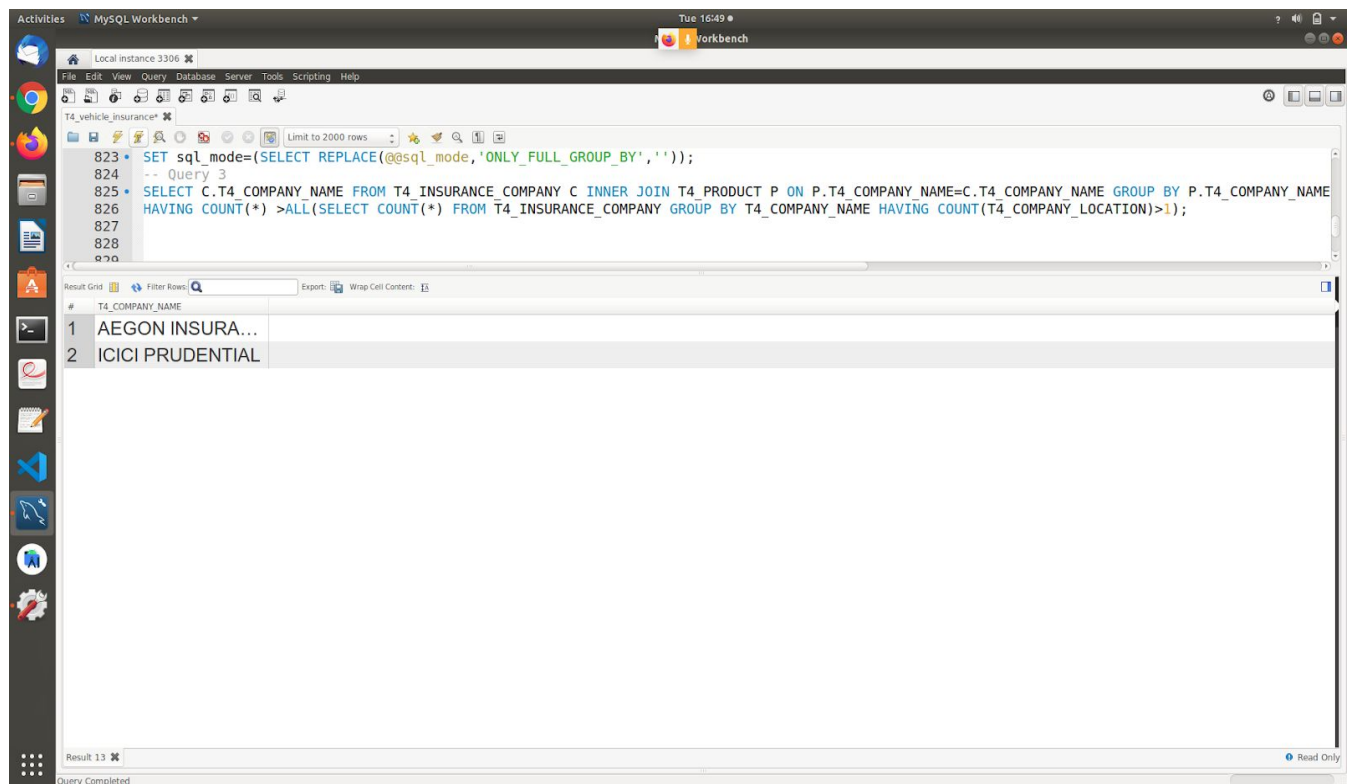
Query :

```

SELECT C.T4_COMPANY_NAME FROM T4_INSURANCE_COMPANY C INNER
JOIN T4_PRODUCT P ON P.T4_COMPANY_NAME=C.T4_COMPANY_NAME
GROUP BY P.T4_COMPANY_NAME HAVING COUNT(*) >ALL(SELECT COUNT(*)
FROM T4_INSURANCE_COMPANY GROUP BY T4_COMPANY_NAME HAVING
COUNT(T4_COMPANY_LOCATION)>1);

```

Output :



4. Select Customers who have more than one Vehicle, where the premium for one of the Vehicles is not paid and it is involved in accident

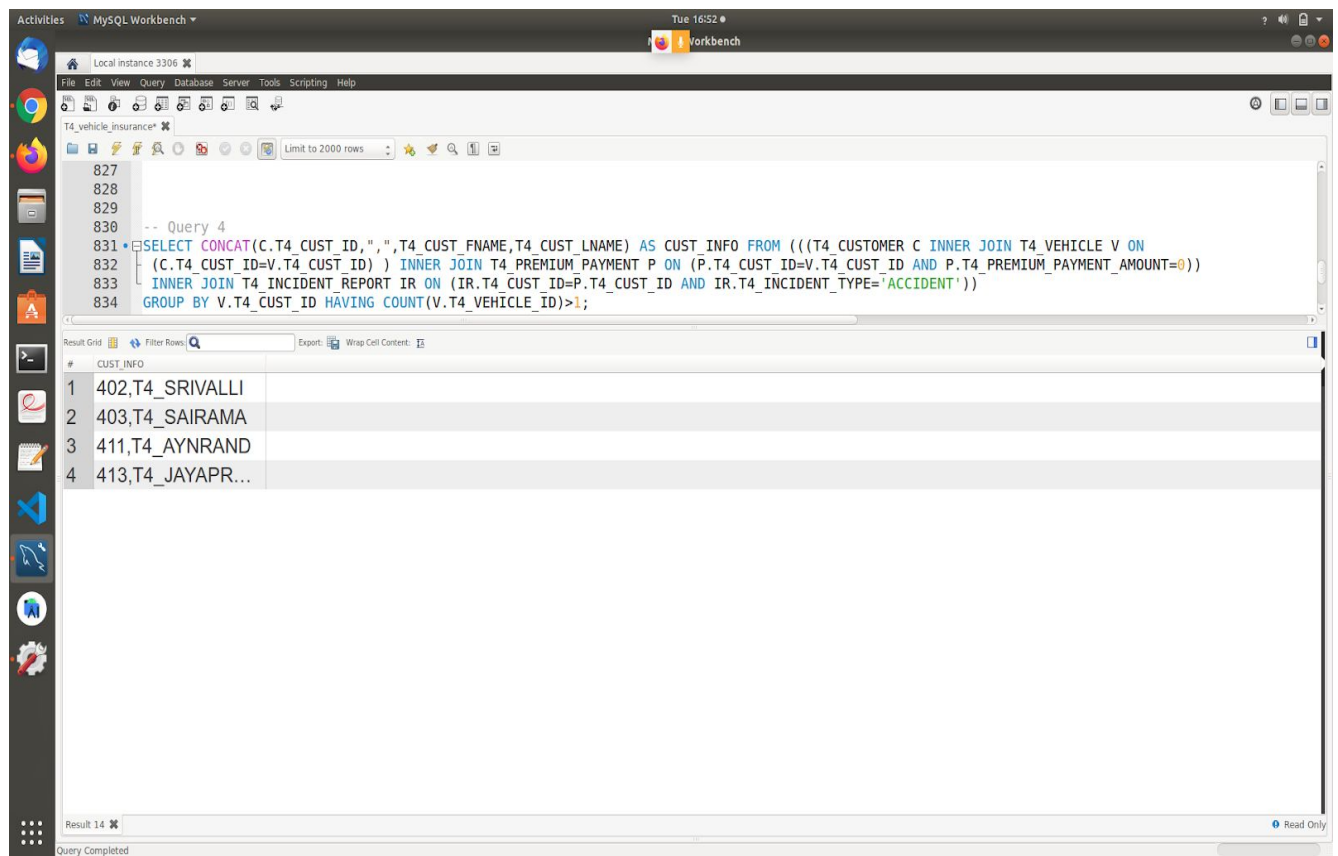
Query :

```

SELECT CONCAT(C.T4_CUST_ID,"",T4_CUST_FNAME,T4_CUST_LNAME) AS
CUST_INFO FROM (((T4_CUSTOMER C INNER JOIN T4_VEHICLE V ON
(C.T4_CUST_ID=V.T4_CUST_ID) )INNER JOIN T4_PREMIUM_PAYMENT P ON
(P.T4_CUST_ID=V.T4_CUST_ID AND P.T4_PREMIUM_PAYMENT_AMOUNT=0))
INNER JOIN T4_INCIDENT_REPORT IR ON (IR.T4_CUST_ID=P.T4_CUST_ID
AND IR.T4_INCIDENT_TYPE='ACCIDENT')) GROUP BY V.T4_CUST_ID HAVING
COUNT(V.T4_VEHICLE_ID)>1;

```

Output :



5. Select all vehicles which have premium more than its vehicle number.

Query :

```

SELECT distinct(V.T4_VEHICLE_ID) FROM T4_VEHICLE V,
T4_PREMIUM_PAYMENT P WHERE V.T4_CUST_ID = P.T4_CUST_ID AND
P.T4_PREMIUM_PAYMENT_ID > V.T4_VEHICLE_NUMBER;

```

Output :

Activities MySQL Workbench Tue 16:55 yorkbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

T4_vehicle_insurance*

Limit to 2000 rows

```
836
837
838 -- Query 5
839 SELECT distinct(V.T4_VEHICLE_ID) FROM T4_VEHICLE V, T4_PREMIUM_PAYMENT P WHERE
840 V.T4_CUST_ID = P.T4_CUST_ID AND P.T4_PREMIUM_PAYMENT_ID > V.T4_VEHICLE_NUMBER;
```

Result Grid Filter Rows Export: Wrap Cell Content: 15

#	T4_VEHICLE_ID
1	40
2	41
3	42
4	43
5	44
6	45
7	46
8	47
9	48
10	50
11	51
12	52
13	54
14	55
15	56
16	57
17	58

Result 15

Query Completed

Activities MySQL Workbench Tue 16:55 yorkbench

Local instance 3306

File Edit View Query Database Server Tools Scripting Help

T4_vehicle_insurance*

Limit to 2000 rows

```
836
837
838 -- Query 5
839 SELECT distinct(V.T4_VEHICLE_ID) FROM T4_VEHICLE V, T4_PREMIUM_PAYMENT P WHERE
840 V.T4_CUST_ID = P.T4_CUST_ID AND P.T4_PREMIUM_PAYMENT_ID > V.T4_VEHICLE_NUMBER;
```

Result Grid Filter Rows Export: Wrap Cell Content: 15

#	T4_VEHICLE_ID
3	42
4	43
5	44
6	45
7	46
8	47
9	48
10	50
11	51
12	52
13	54
14	55
15	56
16	57
17	58
18	59
19	60

Result 15

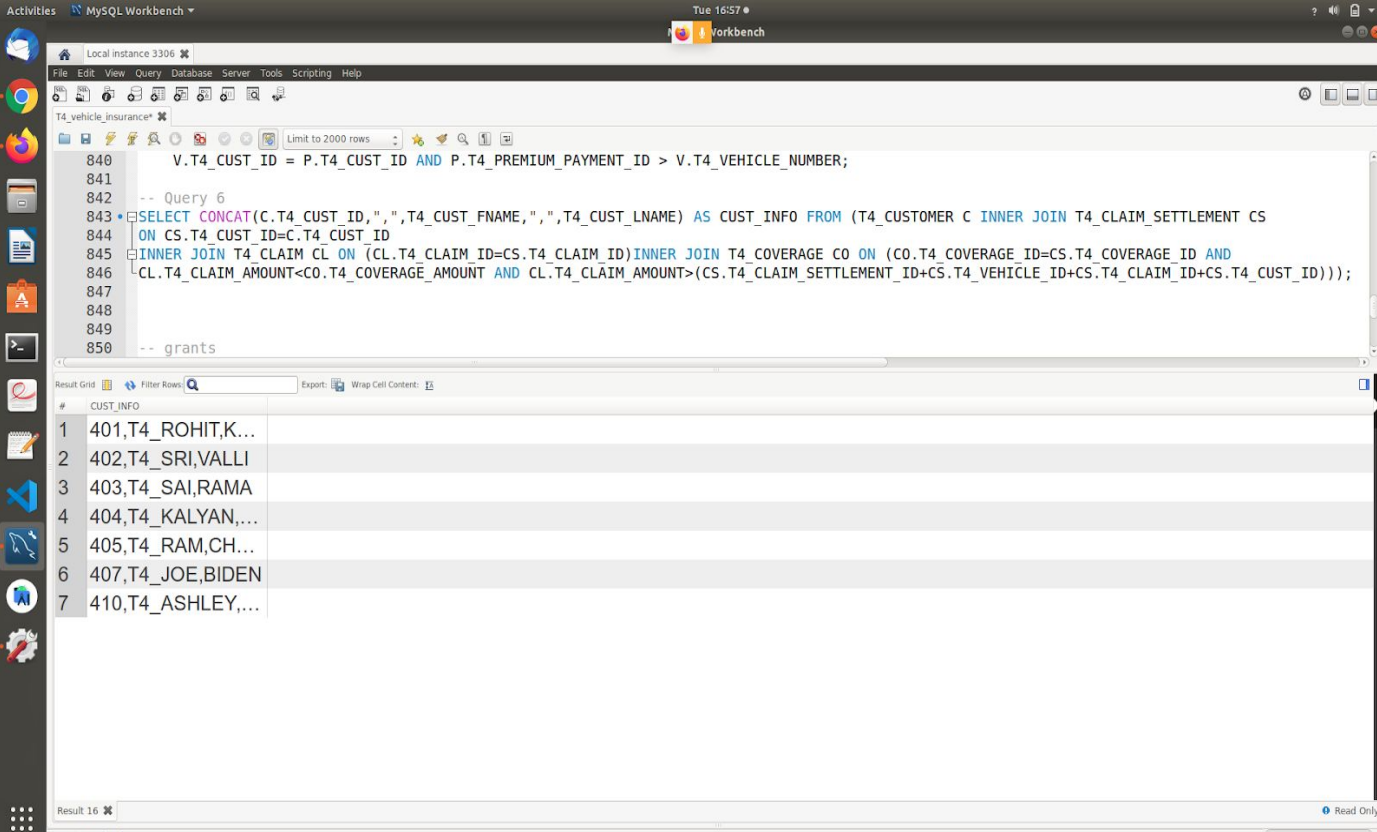
Query Completed

6. Retrieve Customer details whose Claim Amount is less than Coverage Amount and Claim Amount is greater than Sum of (CLAIM_SETTLEMENT_ID, VEHICLE_ID, CLAIM_ID, CUST_ID)

Query :

```
SELECT CONCAT(C.T4_CUST_ID,"",T4_CUST_FNAME,"",T4_CUST_LNAME)
AS CUST_INFO FROM (T4_CUSTOMER C INNER JOIN
T4_CLAIM_SETTLEMENT CS ON CS.T4_CUST_ID=C.T4_CUST_ID INNER JOIN
T4_CLAIM CL ON (CL.T4_CLAIM_ID=CS.T4_CLAIM_ID)INNER JOIN
T4_COVERAGE CO ON (CO.T4_COVERAGE_ID=CS.T4_COVERAGE_ID AND
CL.T4_CLAIM_AMOUNT<CO.T4_COVERAGE_AMOUNT AND
CL.T4_CLAIM_AMOUNT>(CS.T4_CLAIM_SETTLEMENT_ID+CS.T4_VEHICLE_ID
+CS.T4_CLAIM_ID+CS.T4_CUST_ID))));
```

Output :



The screenshot shows the MySQL Workbench interface. The top toolbar includes icons for File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The main editor window displays a SQL query labeled 'Query 6'. The query is a complex JOIN statement that filters for customers where the claim amount is less than the coverage amount and greater than the sum of settlement ID, vehicle ID, claim ID, and customer ID. Below the query editor, the 'Result Grid' tab is active, showing the output of the query. The results are displayed in a table with two columns: an index number and the concatenated customer information (CUST_INFO). The results are as follows:

#	CUST_INFO
1	401,T4_ROHIT,K...
2	402,T4_SRI,VALLI
3	403,T4_SAI,RAMA
4	404,T4_KALYAN,...
5	405,T4_RAM,CH...
6	407,T4_JOE,BIDEN
7	410,T4_ASHLEY,...

The status bar at the bottom indicates 'Query Completed'.