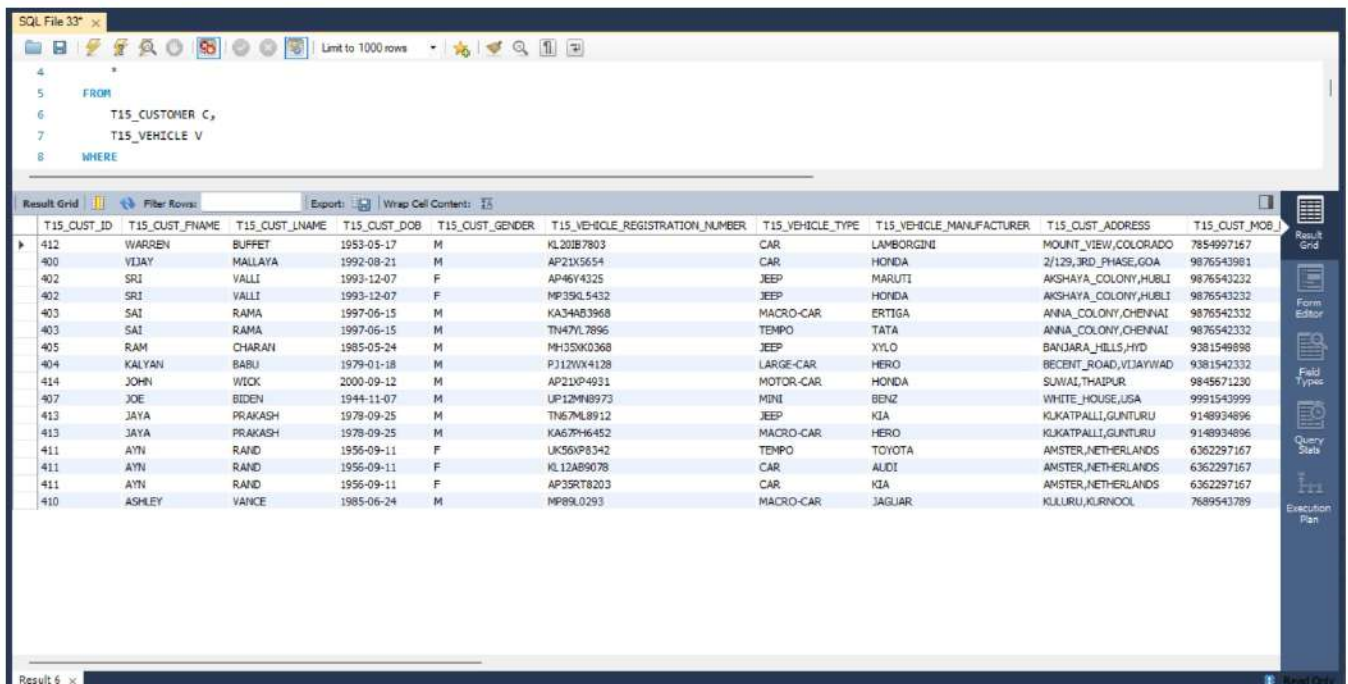


Vehicle Insurance Database Queries

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

```
SELECT
    *
FROM
    T15_CUSTOMER C,
    T15_VEHICLE V
WHERE
    V.T15_CUST_ID = C.T15_CUST_ID
    AND C.T15_CUST_ID IN (SELECT
        C1.T15_CUST_ID
    FROM
        T15_CLAIM C1
    WHERE
        C1.T15_CLAIM_STATUS = 'PENDING'
        AND C1.T15_INCIDENT_ID IN (SELECT
            I.T15_INCIDENT_ID
        FROM
            T15_INCIDENT_REPORT I
        WHERE
            I.T15_CUST_ID = C1.T15_CUST_ID));
```



The screenshot shows a SQL query editor window titled "SQL File 33*" with the same query as above. Below the query, a "Result Grid" displays the results of the query. The grid has 10 columns: T15_CUST_ID, T15_CUST_FNAME, T15_CUST_LNAME, T15_CUST_DOB, T15_CUST_GENDER, T15_VEHICLE_REGISTRATION_NUMBER, T15_VEHICLE_TYPE, T15_VEHICLE_MANUFACTURER, T15_CUST_ADDRESS, and T15_CUST_MOB. The results are listed in rows, with the first row being row 412 and the last row being row 410.

T15_CUST_ID	T15_CUST_FNAME	T15_CUST_LNAME	T15_CUST_DOB	T15_CUST_GENDER	T15_VEHICLE_REGISTRATION_NUMBER	T15_VEHICLE_TYPE	T15_VEHICLE_MANUFACTURER	T15_CUST_ADDRESS	T15_CUST_MOB
412	WARREN	BUFFET	1953-05-17	M	KL20JB7803	CAR	LAMBORGINI	MOUNT_VIEW,COLORADO	7854997167
400	VIJAY	MALLAYA	1992-08-21	M	AP21X5654	CAR	HONDA	2/129,3RD_PHASE,GOA	9876543981
402	SRI	VALLI	1993-12-07	F	AP46Y4325	JEEP	MARUTI	AKSHAYA_COLONY,HUBLI	9876543232
402	SRI	VALLI	1993-12-07	F	MP39KL5432	JEEP	HONDA	AKSHAYA_COLONY,HUBLI	9876543232
403	SAI	RAMA	1997-06-15	M	KA34AB3968	MACRO-CAR	ERTIGA	ANNA_COLONY,CHENNAI	9876543232
403	SAI	RAMA	1997-06-15	M	TN47YL7896	TEMPO	TATA	ANNA_COLONY,CHENNAI	9876543232
405	RAM	CHARAN	1985-05-24	M	MH35XK0368	JEEP	XYLO	BANUARA_HILLS,HYD	9381546998
404	KALYAN	BARU	1979-01-18	M	PJ12VX4128	LARGE-CAR	HERO	RECENT_ROAD,VIJAYWAD	9381542332
414	JOHN	WICK	2000-09-12	M	AP21XP4931	MOTOR-CAR	HONDA	SUNAI,THAIPUR	9845671230
407	JOE	BIDEN	1944-11-07	M	UP12MN8973	MINI	BENZ	WHITE_HOUSE,USA	9991543999
413	JAYA	PRAKASH	1978-09-25	M	TN67ML8912	JEEP	KIA	KUKATPALLI,GUNTURU	9148934896
413	JAYA	PRAKASH	1978-09-25	M	KA67PH6452	MACRO-CAR	HERO	KUKATPALLI,GUNTURU	9148934896
411	AYN	RAND	1956-09-11	F	UK56XP8342	TEMPO	TOYOTA	AMSTER,NETHERLANDS	6362297167
411	AYN	RAND	1956-09-11	F	KL12AB9078	CAR	AUDI	AMSTER,NETHERLANDS	6362297167
411	AYN	RAND	1956-09-11	F	AP35RT8203	CAR	KIA	AMSTER,NETHERLANDS	6362297167
410	ASHLEY	VANCE	1985-06-24	M	MP89L0293	MACRO-CAR	JAGUAR	KULURU,KURNOOL	7689543789

- Retrieve customer details who has premium payment amount greater than the sum of all the customerIds in the database – premium payment, customer

```
SELECT
*
FROM
T15_CUSTOMER C
WHERE
C.T15_CUST_ID IN (SELECT
P.T15_CUST_ID
FROM
T15_PREMIUM_PAYMENT P
WHERE
P.T15_CUST_ID = C.T15_CUST_ID
AND P.T15_PREMIUM_PAYMENT_AMOUNT > (SELECT
SUM(T15_CUST_ID)
FROM
T15_CUSTOMER));
```

The screenshot shows an SQL IDE window titled 'SQL File 33'. The query editor contains the following SQL code:

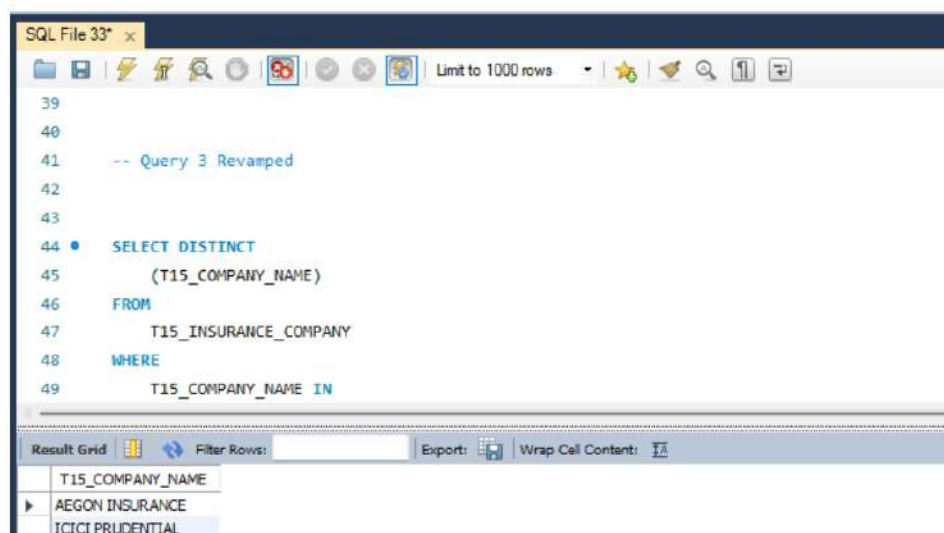
```
27 T15_CUSTOMER C
28 WHERE
29 C.T15_CUST_ID IN (SELECT
30 P.T15_CUST_ID
31 FROM
```

The 'Result Grid' tab is active, displaying a table with 10 columns: T15_CUST_ID, T15_CUST_FNAME, T15_CUST_LNAME, T15_CUST_DOB, T15_CUST_GENDER, T15_CUST_ADDRESS, T15_CUST_MOB_NUMBER, T15_CUST_EMAIL, T15_CUST_PASSPORT_NUMBER, and T15_CUST_MARITAL_STAT. The table contains 10 rows of data.

T15_CUST_ID	T15_CUST_FNAME	T15_CUST_LNAME	T15_CUST_DOB	T15_CUST_GENDER	T15_CUST_ADDRESS	T15_CUST_MOB_NUMBER	T15_CUST_EMAIL	T15_CUST_PASSPORT_NUMBER	T15_CUST_MARITAL_STAT
408	BLOH	MUSK	1976-03-14	M	SEA, ATTLE, CALIFORNIA	9991543789	MUSK@GMAIL.COM	1594-7342-8971	MARRIED
414	JOHN	WICK	2000-09-12	M	SUWAL, THAPUR	9845671230	WICK@GMAIL.COM	8921-2564-3567	UNMARRIED
402	SRI	VALLI	1993-12-07	F	AKSHAYA, COLONY, HUBLI	9876543232	VALLI@GMAIL.COM	9876-4444-4567	MARRIED
400	VIJAY	MALLAYA	1992-08-21	M	2/129, 3RD, PHASE, GOA	9876543981	VV_MAL@GMAIL.COM	9876-1234-4567	MARRIED
412	WARREN	BUFFET	1953-05-17	M	MOUNT, VIEW, COLORADO	7854997167	BUFFET@GMAIL.COM	1689-3254-2546	MARRIED
409	JACK	MA	1971-07-19	M	ALI, BABA, TAIWAN	8011543789	JACK@GMAIL.COM	4951-7342-8971	MARRIED
411	ATN	RAND	1956-09-11	F	AMSTER, NETHERLANDS	6362297167	RAND@GMAIL.COM	7167-2363-8971	UNMARRIED
410	ASHLEY	VANCE	1985-06-24	M	KULURU, KURNOOL	7689543789	VANCE@GMAIL.COM	9148-9833-8971	UNMARRIED
406	PS	KARTHEK	1964-02-28	M	ADYAR, CHENNAI	9381543625	PSK@GMAIL.COM	4562-7342-4567	UNMARRIED
415	RAYAN	LAKE IME	2004-04-03	F	KRISHNA, COLONY, SGP	4507912365	LAKE IM@GMAIL.COM	1275-2564-3003	UNMARRIED
403	SAI	RAMA	1997-06-15	M	ANNA, COLONY, CHENNAI	9876542332	RAMA@GMAIL.COM	3496-4444-4567	MARRIED
405	RAM	CHARAN	1985-05-24	M	BANDARA, HILLS, HYD	9381548898	ALWAYS@GMAIL.COM	9124-7342-4567	MARRIED

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

```
SELECT DISTINCT
    (T15_COMPANY_NAME)
FROM
    T15_INSURANCE_COMPANY
WHERE
    T15_COMPANY_NAME IN
    (
        -- 1st condition
        SELECT
            P.T15_COMPANY_NAME
        FROM
            T15_PRODUCT P
            INNER JOIN
            t15_department D ON P.T15_COMPANY_NAME = D.T15_COMPANY_NAME
        GROUP BY P.T15_COMPANY_NAME
        HAVING COUNT(DISTINCT (T15_PRODUCT_NUMBER)) > COUNT(DISTINCT
(T15_DEPARTMENT_NAME))
    )
    AND T15_COMPANY_NAME IN
    (
        -- 2nd condition
        SELECT
            T15_COMPANY_NAME
        FROM
            T15_INSURANCE_COMPANY
        GROUP BY T15_COMPANY_NAME
        HAVING COUNT(DISTINCT (T15_COMPANY_LOCATION)) > 1
    );
```



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

```
SELECT
  C.*
FROM
  (((T15_CUSTOMER C
  INNER JOIN T15_VEHICLE V ON (C.T15_CUST_ID = V.T15_CUST_ID))
  INNER JOIN T15_PREMIUM_PAYMENT P ON (P.T15_CUST_ID = V.T15_CUST_ID
    AND P.T15_PREMIUM_PAYMENT_AMOUNT = 0))
  INNER JOIN T15_INCIDENT_REPORT IR ON (IR.T15_CUST_ID = P.T15_CUST_ID
    AND IR.T15_INCIDENT_TYPE = 'ACCIDENT'))
GROUP BY V.T15_CUST_ID
HAVING COUNT(V.T15_VEHICLE_ID) > 1;
```

SQL File 33*

Limit to 1000 rows

-- Query 4

```
SELECT
  C.*
FROM
  (((T15_CUSTOMER C
  INNER JOIN T15_VEHICLE V ON (C.T15_CUST_ID = V.T15_CUST_ID))
```

	T15_CUST_ID	T15_CUST_FNAME	T15_CUST_LNAME	T15_CUST_DOB	T15_CUST_GENDER	T15_CUST_ADDRESS	T15_CUST_MOB_NUMBER	T15_CUST_EMAIL	T15_CUST_PASSPORT_NUMBER	T15_CUST_MARITAL
▶	402	SRI	VALLI	1993-12-07	F	AKSHAYA_COLONY,HUBLI	9876543232	VALLI@GMAIL.COM	9876-4444-4567	MARRIED
	413	JAYA	PRAKASH	1978-09-25	M	KUKATPALLI,GUNTURU	9148934896	JP@GMAIL.COM	8619-5234-4256	MARRIED
	411	AYN	RAND	1956-09-11	F	AMSTER,NETHERLANDS	6362297167	RAND@GMAIL.COM	7167-2363-8971	UNMARRIED
	403	SAI	RAMA	1997-06-15	M	ANNA_COLONY,CHENNAI	9876542332	RAMA@GMAIL.COM	3496-4444-4567	MARRIED

Result 14

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

```
SELECT DISTINCT
    V.*
FROM
    T15_VEHICLE V,
    T15_PREMIUM_PAYMENT P
WHERE
    V.T15_CUST_ID = P.T15_CUST_ID
    AND P.T15_PREMIUM_PAYMENT_AMOUNT > V.T15_VEHICLE_NUMBER;
```

SQL File 33* x

Limit to 1000 rows

94 HAVING COUNT(V.T15_VEHICLE_ID) > 1;

95

96

97

98 -- Query 5

99

100 • SELECT DISTINCT

101 V.*

Result Grid

T15_VEHICLE_ID	T15_POLICY_ID	T15_DEPENDENT_NOK_ID	T15_VEHICLE_REGISTRATION_NUMBER	T15_VEHICLE_VALUE	T15_VEHICLE_TYPE	T15_VEHICLE_SIZE	T15_VEHICLE_NUMBER_OF_SEAT	T15_VEHICLE_MANUFACTURER
48	4_PT_9	4_DI_9	AP51X4862	2500000	VAN	4	2	BMW
54	4_PT_0	4_DI_15	AP21XP4931	1200000	MOTOR-CAR	8	6	HONDA
42	4_PT_3	4_DI_3	AP46Y4325	700000	JEEP	4	3	MARUTI
56	4_PT_2	4_DI_17	MP3SKL5432	300000	JEEP	7	5	HONDA
40	4_PT_1	4_DI_1	AP21X5654	600000	CAR	6	5	HONDA
52	4_PT_5	4_DI_13	KL20IB7803	7500000	CAR	7	7	LAMBORGINI
49	4_PT_1	4_DI_10	KAS1UR8903	3500000	CAR	7	4	AUDI
51	4_PT_7	4_DI_12	LK56XP8342	1500000	TEMPO	8	6	TOYOTA
58	4_PT_3	4_DI_19	KL12AB9078	1200000	CAR	7	5	AUDI
60	4_PT_5	4_DI_21	AP3SRT8203	1000000	CAR	7	5	KIA
50	4_PT_11	4_DI_11	MP89LO293	8000000	MACRO-CAR	9	5	JAGUAR
46	4_PT_7	4_DI_7	UP45UB8376	1100000	CAR	7	5	HYUNDAI
55	4_PT_1	4_DI_16	AP3SRT8976	900000	CAR	7	5	HERO
43	4_PT_4	4_DI_4	KA34AB3968	500000	MACRO-CAR	7	6	ERTIGA
57	4_PT_4	4_DI_18	TN47YL7896	700000	TEMPO	7	5	TATA
45	4_PT_6	4_DI_6	MH35XK0368	800000	JEEP	9	7	XYLO

Result 17 x

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)

```
SELECT
    C.*
FROM
    (T15_CUSTOMER C
    INNER JOIN T15_CLAIM_SETTLEMENT CS ON CS.T15_CUST_ID = C.T15_CUST_ID
    INNER JOIN T15_CLAIM CL ON (CL.T15_CLAIM_ID = CS.T15_CLAIM_ID)
    INNER JOIN T15_COVERAGE CO ON (CO.T15_COVERAGE_ID = CS.T15_COVERAGE_ID
        AND CL.T15_CLAIM_AMOUNT < CO.T15_COVERAGE_AMOUNT
        AND CL.T15_CLAIM_AMOUNT > (CS.T15_CLAIM_SETTLEMENT_ID +
        CS.T15_VEHICLE_ID + CS.T15_CLAIM_ID + CS.T15_CUST_ID)));
```

SQL File 33* x

Limit to 1000 rows

```
104 T15_PREMIUM_PAYMENT P
105 WHERE
106     V.T15_CUST_ID = P.T15_CUST_ID
107     AND P.T15_PREMIUM_PAYMENT_AMOUNT > V.T15_VEHICLE_NUMBER;
108
109
110 -- Query 6
111 • SELECT
```

Result Grid

	T15_CUST_ID	T15_CUST_FNAME	T15_CUST_LNAME	T15_CUST_DOB	T15_CUST_GENDER	T15_CUST_ADDRESS	T15_CUST_MCB_NUMBER	T15_CUST_EMAIL	T15_CUST_PASSPORT_NUMBER	T15_CUST_MARITAL_STAT
▶	401	ROHIT	KUMAR	1995-10-11	M	12/90,4TH_PHASE,PUNE	9876541234	ROHIT@GMAIL.COM	6789-1234-4567	UNMARRIED
	402	SRI	VALLI	1993-12-07	F	AKSHAYA_COLOWY,HUBLI	9876543232	VALLI@GMAIL.COM	9876-4444-4567	MARRIED
	403	SAI	RAMA	1997-06-15	M	ANNA_COLONY,CHENNAI	9876542332	RAMA@GMAIL.COM	3456-4444-4567	MARRIED
	404	KALYAN	BABU	1979-01-18	M	BECENT_ROAD,VIJAYWAD	9381542332	BABU@GMAIL.COM	9124-4444-4567	MARRIED
	405	RAM	CHARAN	1985-05-24	M	BANJARA_HILLS,HYD	9381549898	ALWAYS@GMAIL.COM	9124-7342-4567	MARRIED
	407	JOE	BIDEN	1944-11-07	M	WHITE_HOUSE,USA	9991543999	JOE@GMAIL.COM	4562-7342-8971	MARRIED
	410	ASHLEY	VANCE	1985-06-24	M	KULURU,KURNOOL	7689543789	VANCE@GMAIL.COM	9148-9833-8971	UNMARRIED

Result 22 x