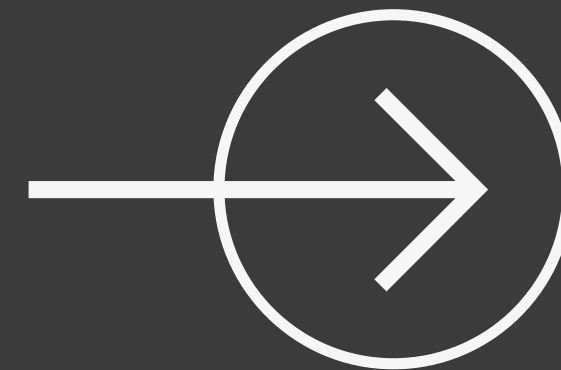
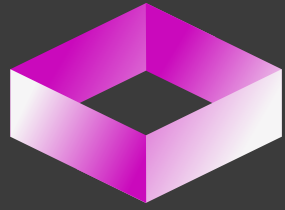


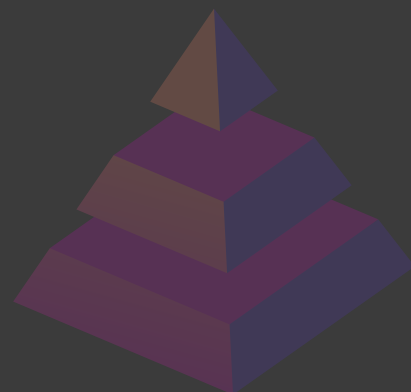
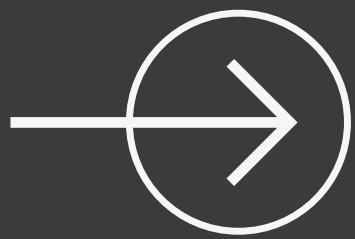
DBMS ONLINE VEHICLE INSURANCE PROJECT



UNDER THE GUIDANCE OF
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Dr.Pramode Yelmewad
Dr.Supriya Nadigar



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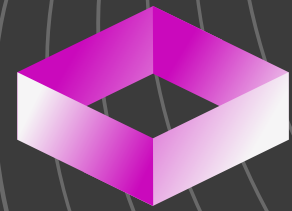
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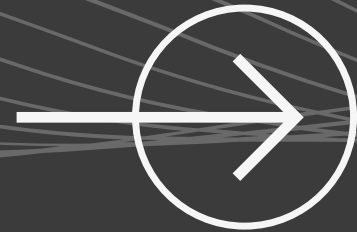
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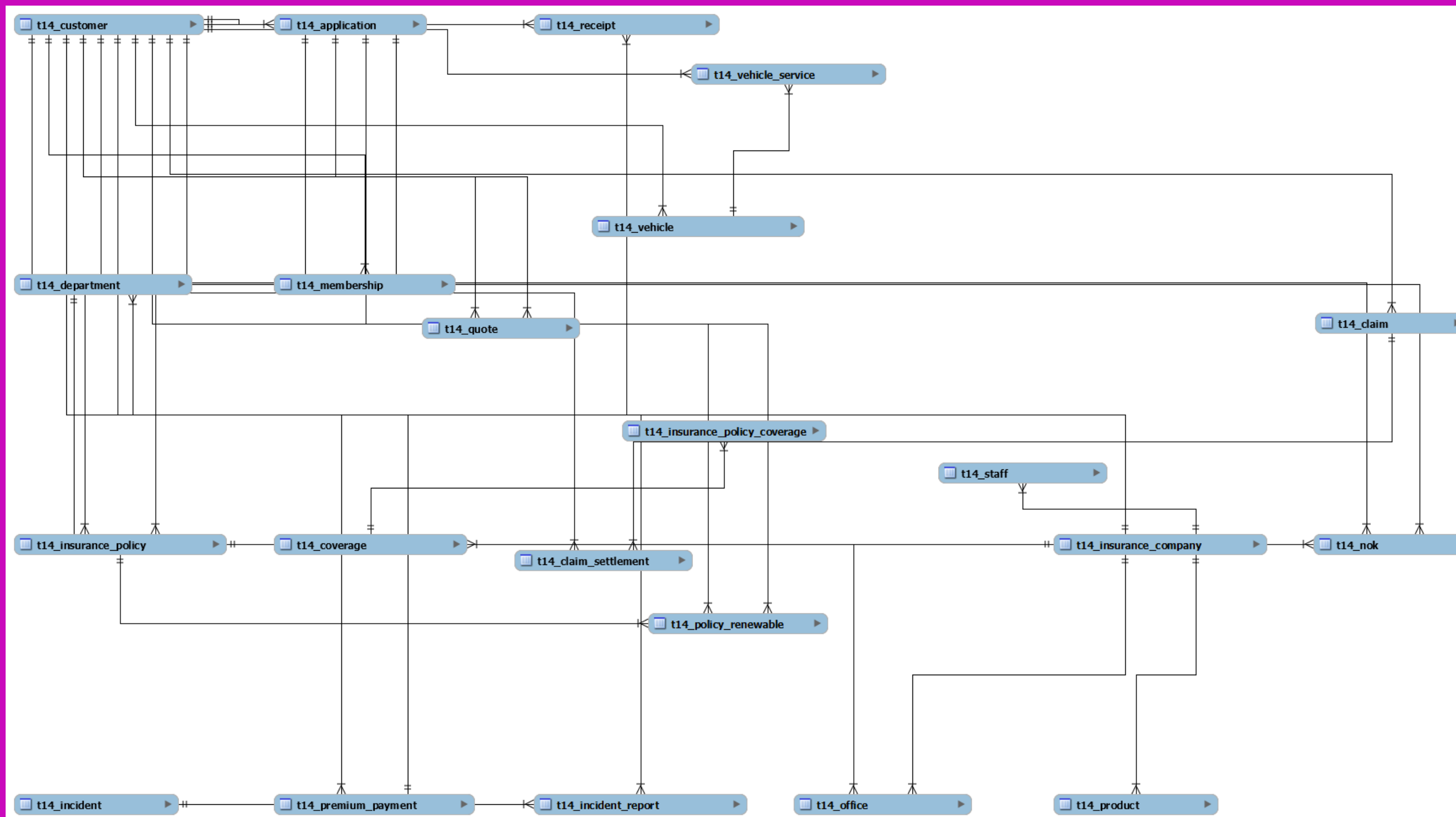
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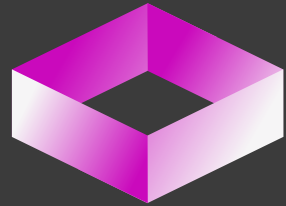
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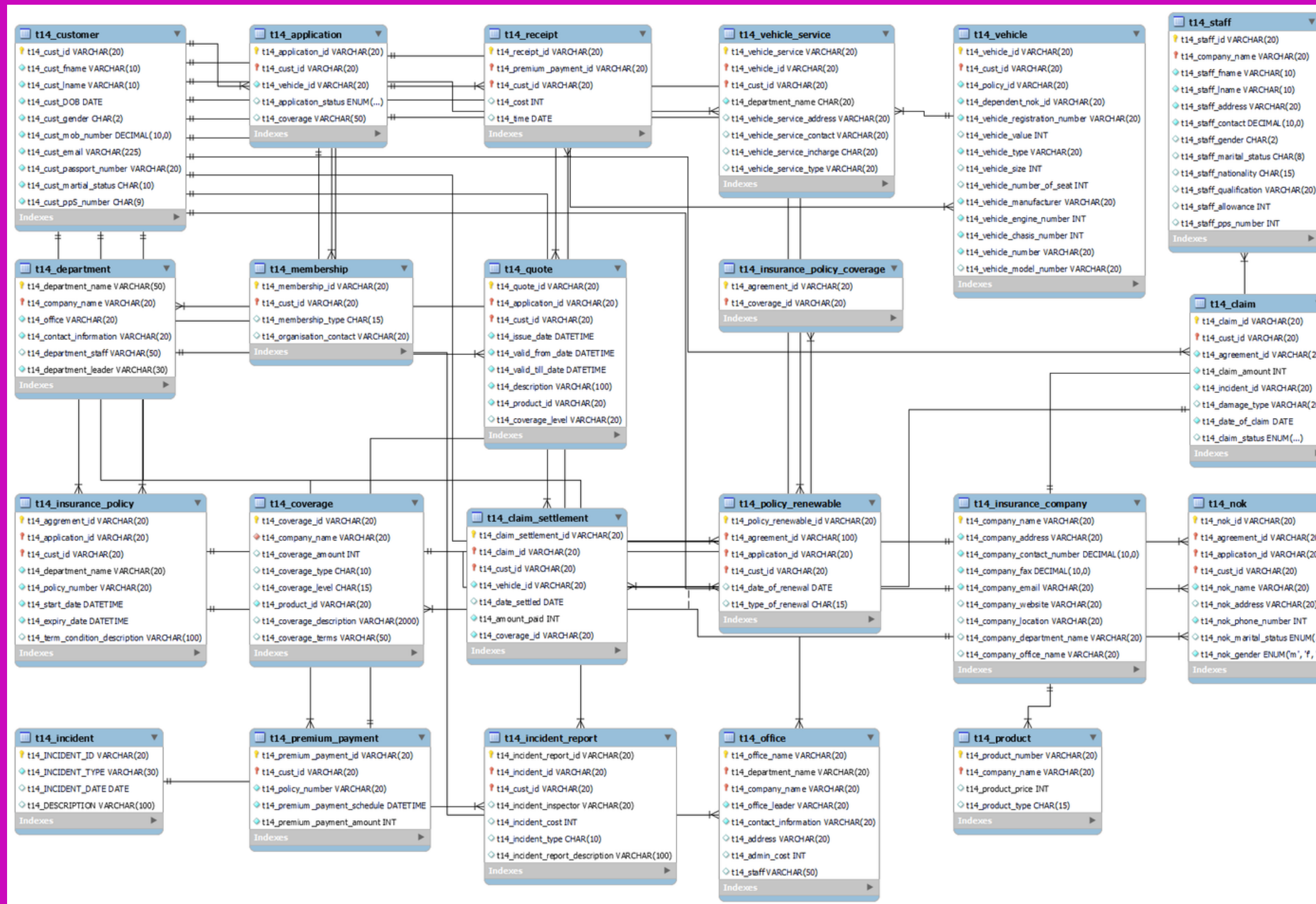
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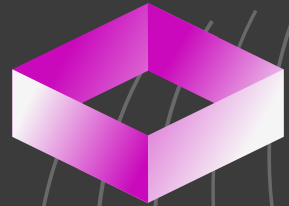




Physical Data Model

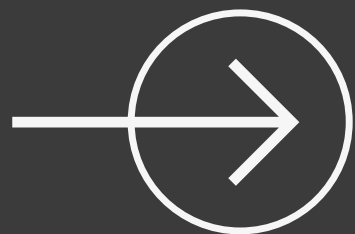
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RELATIONS MANY TO MANY

→ insurance policy to
coverage



RELATIONS ONE TO ONE

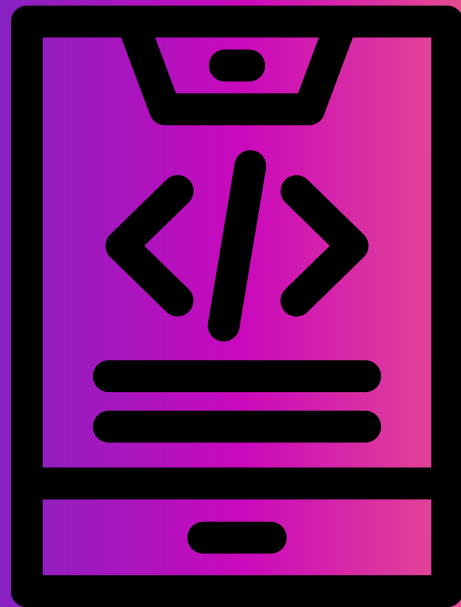
→ Application to Quote

→ Premium_payment
to receipt

→ customer to
membership

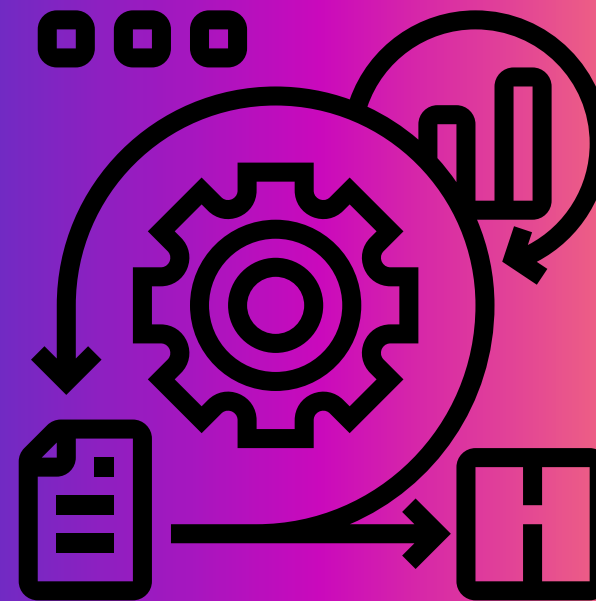
→ claim to
claim_settlement

Stored Functions and stored procedures



stored functions

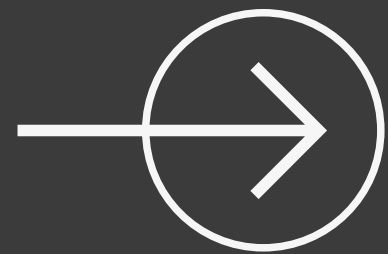
```
sum_of_indexes()  
get_vehicle_number()
```

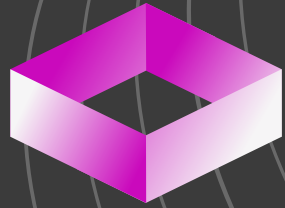


Stored Procedures

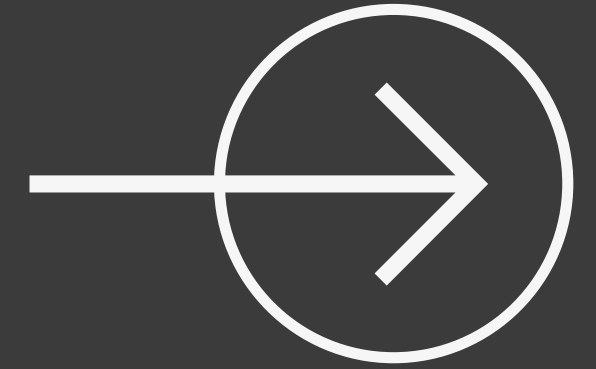
```
get_data()  
delete_data()
```

QUERIES





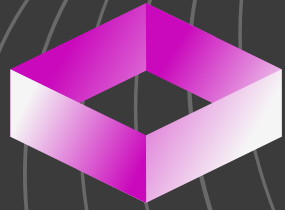
QUERY 1



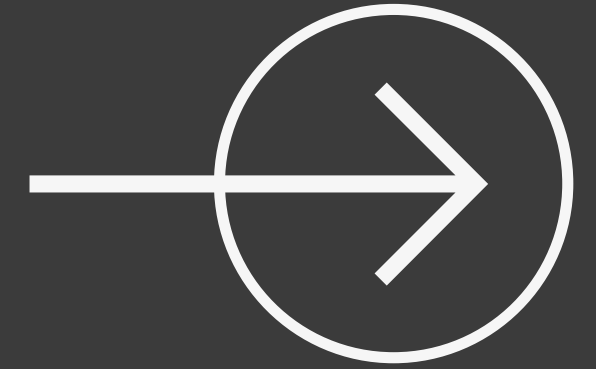
Retrieve Customer and Vehicle details who has been involved in an incident and claim status is pending – Customer, vehicle, claim status, incident

```
SELECT
  c.T14_cust_id,CONCAT(T14_cust_fname, ' ', T14_cust_lname) AS
  cust_name,v.T14_vehicle_id,T14_CLAIM_STATUS,T14_incident_id
FROM
  T14_claim cl
  JOIN
  T14_vehicle v ON v.T14_policy_id= cl.T14_agreement_id
  JOIN
  T14_customer c ON c.T14_cust_id = v.T14_cust_id
WHERE
  T14_incident_id IS NOT NULL AND T14_claim_status LIKE 'pending';
```

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QUERY 2

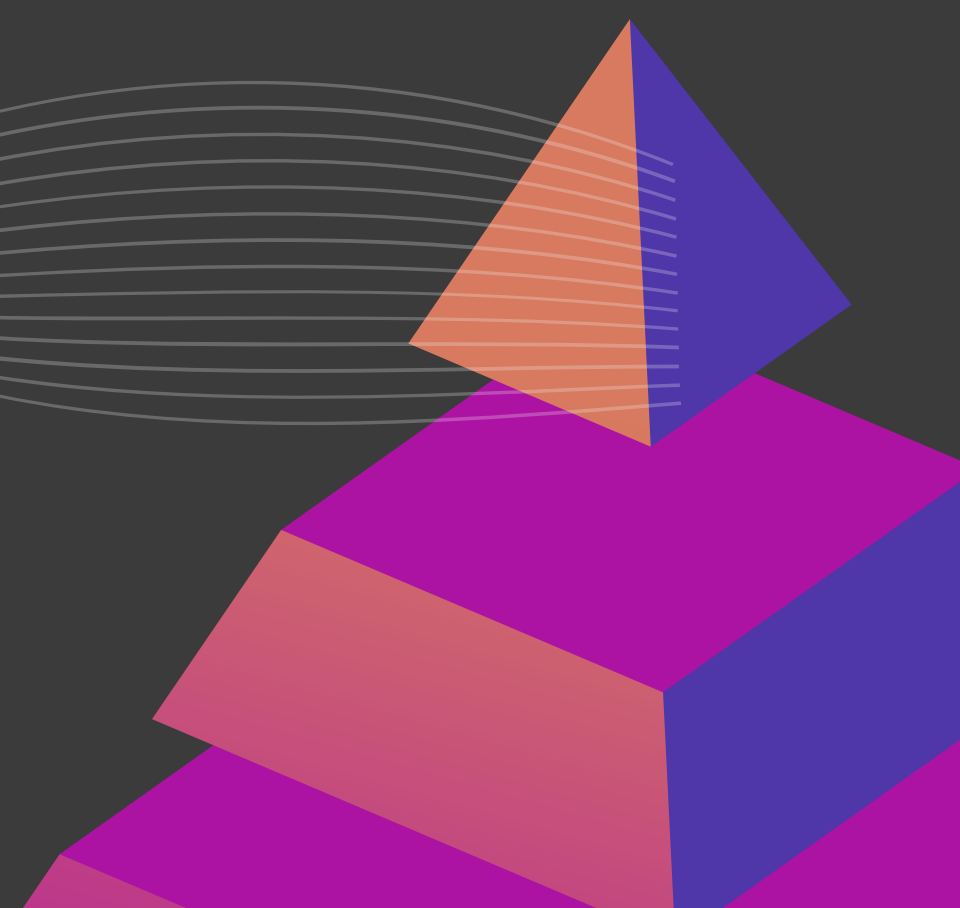


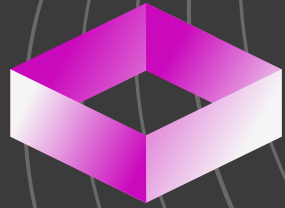
Retrieve customer details who has premium payment amount greater than the sum of all the customerIds in the database – premium payment, customer

```
CREATE VIEW cust_sum AS  
  SELECT SUM(T14_cust_id)  
  FROM T14_customer;
```

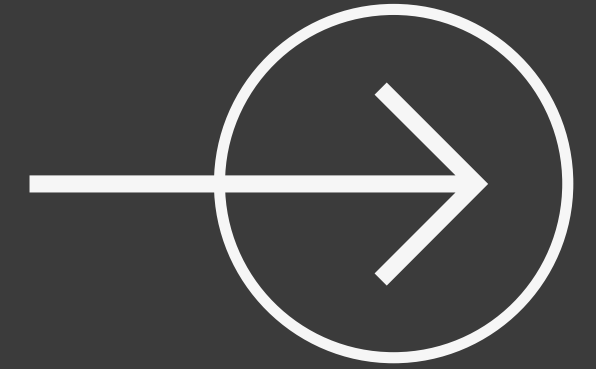
```
SELECT * FROM T14_CUSTOMER  
WHERE T14_CUST_ID IN (SELECT T14_CUST_ID FROM  
T14_PREMIUM_PAYMENT  
WHERE T14_premium_payment_amount > (SELECT * FROM cust_sum));
```

```
SELECT *  
FROM T14_CUSTOMER  
WHERE T14_CUST_ID IN (  
  SELECT T14_CUST_ID FROM T14_PREMIUM_PAYMENT  
  WHERE T14_premium_payment_amount > (SELECT SUM(T14_cust_id)  
FROM T14_customer));
```



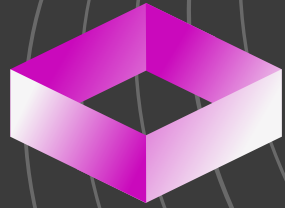


QUERY 3

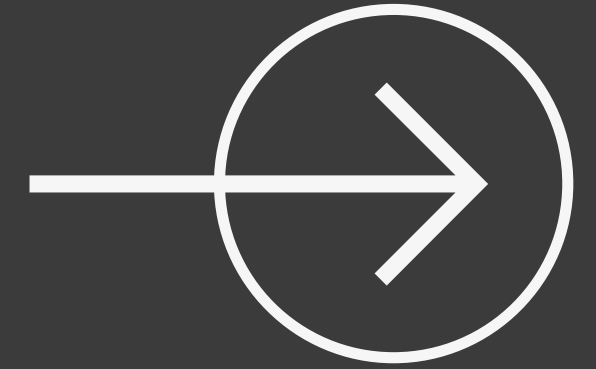


Retrieve Company details whose number of products is greater than departments, where the departments are located in more than one location—company, product, departments, office

```
SELECT *
FROM t14_insurance_companies
WHERE t14_company_name IN (SELECT
    o.t14_company_name
    FROM t14_PRODUCT p
    INNER JOIN
    t14_OFFICE o ON o.t14_Company_Name = p.t14_Company_Name
    GROUP BY o.t14_Company_Name
    HAVING COUNT(DISTINCT (t14_Product_Number)) < COUNT(DISTINCT
    (t14_Department_Name))
    AND COUNT(t14_address) > 1);
```

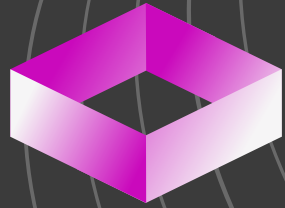


QUERY 4

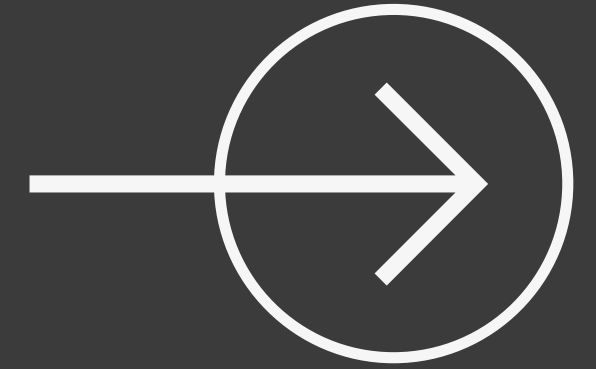


Select Customers who have more than one Vehicle, where the premium for one of the Vehicles is not paid and it is involved in accident

```
SELECT T14_customer.*
FROM T14_Customer
WHERE
  T14_customer.T14_cust_id IN (
    SELECT c.T14_cust_id
  FROM T14_customer c
  JOIN t14_incident_report IR
  ON c.T14_cust_id = IR.T14_cust_id
  LEFT JOIN
    t14_receipt R ON c.T14_cust_id = r.T14_cust_id
    WHERE c.T14_cust_id IN (
      SELECT v.T14_cust_id
      FROM T14_vehicle V
      GROUP BY T14_cust_id
      HAVING COUNT(V.T14_cust_id) > 1)
    AND R.t14_receipt_id IS NULL
  AND T14_incident_type LIKE '%accident%');
```



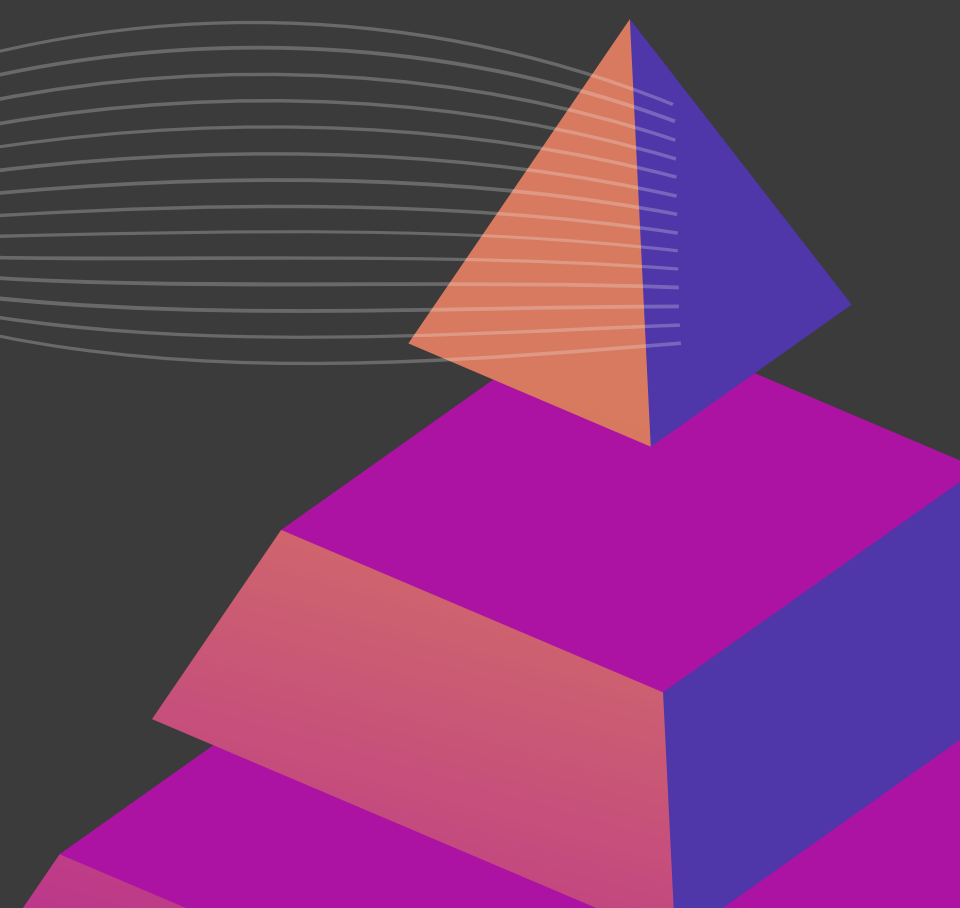
QUERY 5

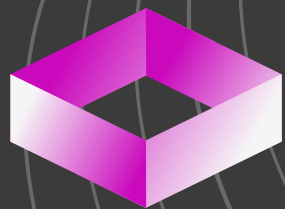


Select all vehicles which have premium more than its vehicle number;

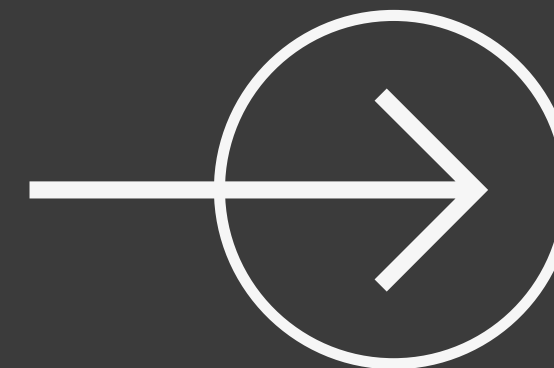
```
SELECT t14_vehicle.*  
FROM t14_vehicle  
JOIN t14_premium_payment ON t14_vehicle.T14_cust_id =  
t14_premium_payment.T14_cust_id  
WHERE t14_premium_payment_amount >  
GET_VEHICLE_NUMBER(t14_vehicle_number);
```

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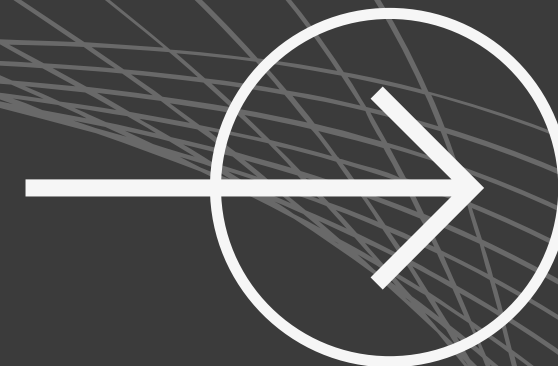
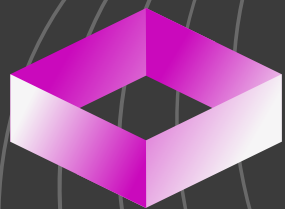




QUERY 6



```
SELECT * FROM T14_CUSTOMER WHERE T14_CUST_ID IN
(SELECT CL.T14_CUST_ID
 FROM T14_COVERAGE CV
 JOIN T14_INSURANCE_POLICY_COVERAGE `IPC` ON
 `IPC`.T14_COVERAGE_ID=CV.T14_COVERAGE_ID
 JOIN T14_INSURANCE_POLICY IP ON
 `IPC`.T14_AGREEMENT_ID=IP.T14_AGREEMENT_ID
 JOIN T14_CUSTOMER C ON IP.T14_CUST_ID = C.T14_CUST_ID
 JOIN T14_CLAIM CL ON CL.T14_CUST_ID = C.T14_CUST_ID
 JOIN T14_CLAIM_SETTLEMENT CLS ON CL.T14_CLAIM_ID =
 CLS.T14_CLAIM_ID
 JOIN T14_VEHICLE V ON V.T14_CUST_ID = C.T14_CUST_ID
 WHERE T14_COVERAGE_AMOUNT>T14_CLAIM_AMOUNT
 AND T14_CLAIM_AMOUNT>
 (SUM_OF_INDEXES(CL.T14_CUST_ID,CLS.T14_CLAIM_ID,CLS.T14_CLAI
 M_SETTLEMENT_ID,V.T14_VEHICLE_ID)));
```

Thank you!

