Project Title: - Insurance Agency Management System Description

An insurance policy/plan is a contract between an individual (Policyholder) and an insurance company (Provider). Under the agreement, Individuals pay regular amounts of money (as premiums) to the insurer, and the company pays settlement if the sum assured on unfortunate event arises.

The choice of a specific type of insurance policy is made based on individual needs and life goals. Clients are sustained under agents. One client can take one or many policies.

Our insurance company mainly provide three types of policies which are:

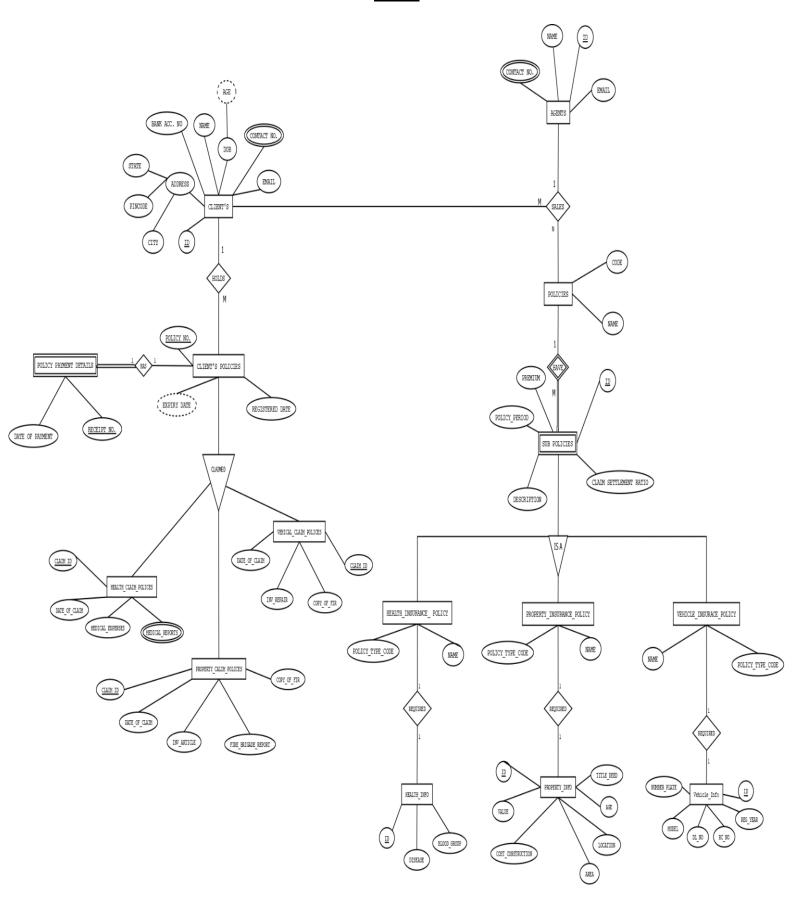
- 1. Health Insurance
- 2. Property Insurance
- 3. Vehicle Insurance

To purchase a policy, an individual must provide necessary documents and personal information to check the eligibility of an insured individual for the specific type of insurance policy that they want to buy.

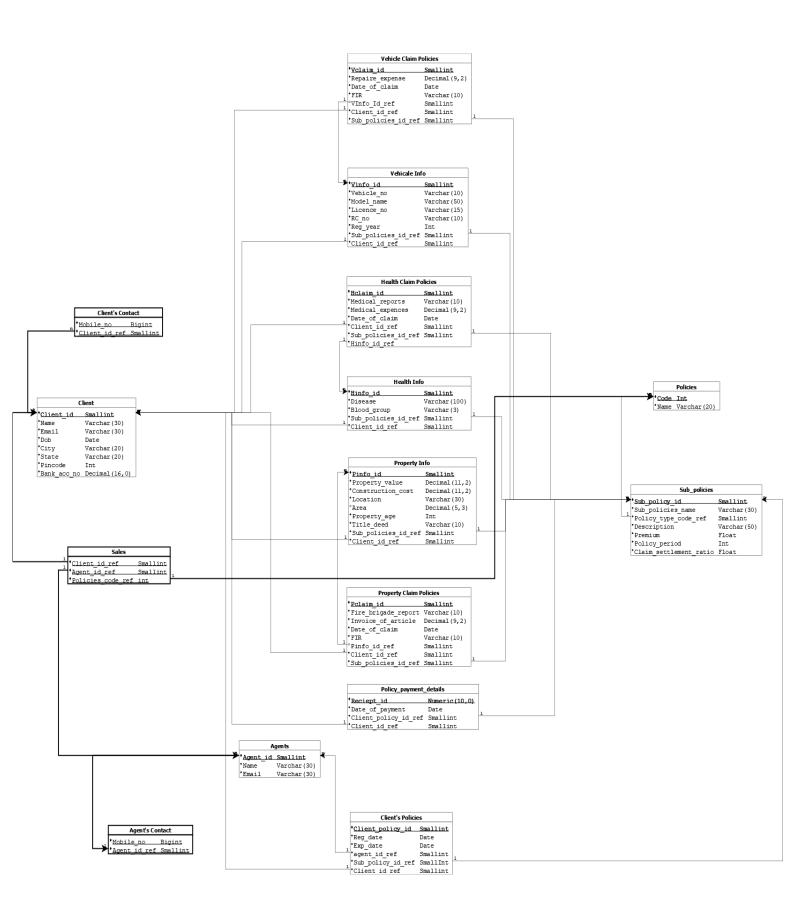
The premium of an insurance policy is the amount that individuals need to pay to purchase a specific insurance cover. It is typically expressed as a regular cost, monthly, quarterly, half-yearly, or annually. Validity of policy is determined based on the period (policy term), loss or injury, and similar other factors.

Claim settlement ratio is the percentage of claims that we settle in a year out of the total claim. It acts as an indicator of their credibility. As a general rule, the higher the ratio, the more reliable the insurer is.

ERD



Relation Schema For Insurance Agency Management System



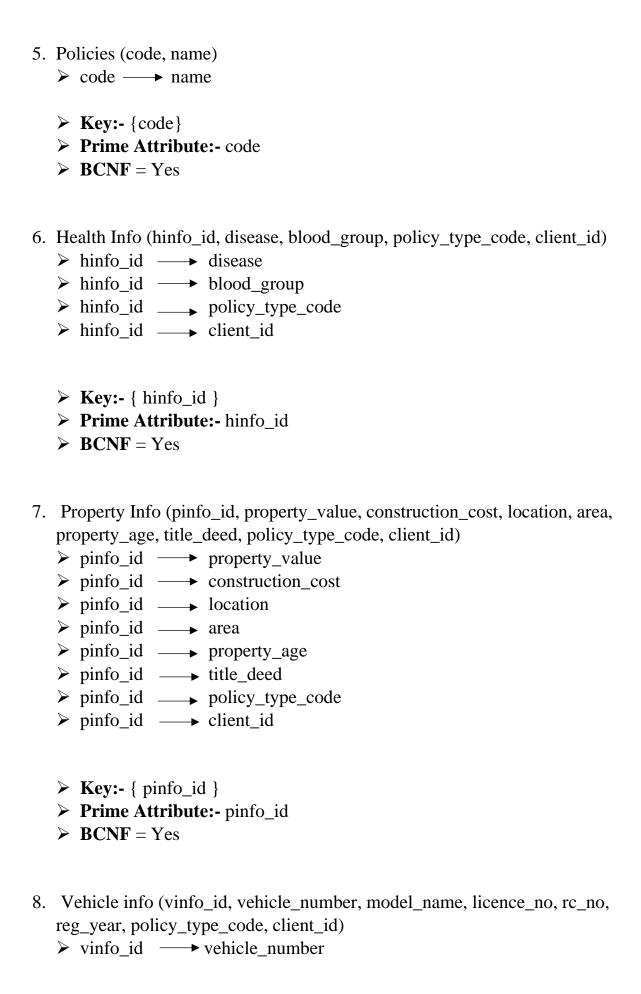
Functional Dependency and Normalization

```
1. Client (client_id, name, email, dob, city, state, pincode, bank_acc_no)
     ➤ client_id → name
     ➤ client_id 		→ email
     ➤ client_id → dob
     ➤ client_id → state

> client_id → city
     ➤ client_id — pincode
     ▶ pincode → state
     > pincode → city
     Key:- {client_id}
     > Prime Attribute:- client_id, pincode
     \triangleright BCNF = No
          ❖ Pincode → State and Pincode → City these two FDs
             violate BCNF requirement.
     \gt 3NF = No
          ❖ Same set of FDs violates 3NF requirement.
     \triangleright 2NF = Yes
     ➤ client_id → name
     ➤ client_id → email
     > client id → dob
     ➤ client_id → pincode
     > client id --- bank acc no
     ▶ pincode → state
     > pincode → city
```

- Consider relation Client (client_id, name, email, dob, city, state, pincode, bank_acc_no). If we break this relation into R1(pincode, state, city) and R2(client_id, name, email, dob, pincode, bank_acc_no).
- Based on BCNF decomposition algorithm we decompose client into R1 and R2.

➤ Pincode⁺ = Pincode, State, City > FD1 > client_id → name > client id → email > client_id → dob ➤ client_id → pincode > client id ____bank acc no > FD2 ➤ pincode — State ▶ pincode → City > R1(pincode, state, city) > R2(client_id, name, email, dob, pincode, bank_acc_no) 2. Client's Contact (mobile no, client id) ➤ client_id — mobile_no > **Key:-** { client_id } > Prime Attribute:- client_id \triangleright **BCNF** = Yes 3. Agent(agent_id, name, email) > agent_id → name ➤ agent_id — → email > **Key:-** { agent_id } > Prime Attribute:- agent_id \triangleright **BCNF** = Yes 4. Agent's contact (mobile_no, agent_id) > agent_id → mobile_no **Key:-** { agent_id } > Prime Attribute:- agent_id \triangleright **BCNF** = Yes



```
> vinfo_id → licence_no

> vinfo_id → rc_no

> vinfo_id → client_id

➤ rc_no — vehicle_number
➤ licence_no — client_id
> Key:- { vinfo_id }
> Prime Attribute:- vinfo id, rc no, licence no, vehicle number
\triangleright BCNF = No
     ❖ rc_no → vehicle_number and licence_no → client_id these
       two FDs violate BCNF requirement.
> 3NF = No
     ❖ Same set of FDs violate 3NF requirement.
\triangleright 2NF = Yes

    vinfo_id 
    → licence_no

    vinfo_id  → rc_no

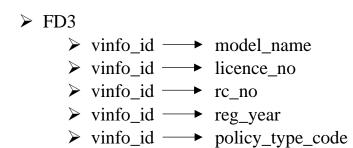
vinfo_id — reg_yearvinfo_id — policy_type_code
> rc_no ---- vehicle_number
➤ licence_no — client_id
```

- Consider relation Vehicle Info (vinfo_id, vehicle_number, model_name, licence_no, rc_no, reg_year, policy_type_code, client_id). If we break this relation into R1(vinfo_id, model_name, licence_no, rc_no, reg_year, policy_type_code) and R2(vinfo_id, rc_no, vehicle_number) and R3(vinfo_id, licence_no, client_id).
- Based on BCNF decomposition algorithm we decompose Vehicle Info into R1 and R2 and R3.
- rc_no⁺ = rc_no, vehicle_number, vinfo_id
- > licence_no⁺ = licennce_no ,client_id, vinfo_id

```
FD1
rc_no — vehicle_number
rc_no — vinfo_id

FD2

licence_no — client_id
licence_no — vinfo_id
```



- 9. Health Claim Policies (hclaim_id, medical_reports, medical_expences, date_of_claim, client_id, policy_type_code, hinfo_id)
 - ➤ hclaim_id medical_reports
 - ➤ hclaim_id medical_expences
 - ➤ hclaim_id date_of_claim
 - ➤ hclaim_id client_id

 - ➤ hclaim_id → hinfo_id
 - ➤ medical_reports client_id
 - ➤ medical_reports hinfo_id
 - **Key:-** { hclaim_id }
 - **▶ BCNF:-** No
 - ➤ medical_reports tient_id, medical_reports hinfo_id two FDs violate BCNF requirement.
 - Prime Attribute:- hclaim_id, medical_reports
 - **> 3NF:-** No
 - ➤ Same set of FDs violate 3NF requirement.
 - > 2NF:- Yes
 - ➤ hclaim_id medical_reports
 - ➤ hclaim_id medical_expences

```
➤ hclaim id — date of claim
```

- medical_reports client_id
 medical_reports hinfo_id

- Consider relation Health Claim policies (hclaim_id, medical_reports, medical_expences, date_of_claim, client_id, policy_type_code, hinfo_id). If we break this relation into R1(hclaim_id, medical_reports, medical_expences, date_of_claim, policy_type_code) and R2(medical_reports, hinfo_id, hclaim_id).
- Based on BCNF decomposition algorithm we decompose Vehicle Info into R1 and R2.
- ➤ hclaim_id⁺ = hclaim_id, medical_reports, medical_expences, date_of_claim, policy_type_code
- medical_reports⁺ = medical_reports, hinfo_id, hclaim_id
- > FD1

 - ▶ hclaim_id → medical_reports▶ hclaim_id → medical_expences
 - ➤ hclaim_id → date_of_claim
 - ➤ hclaim_id policy_type_code
- ➤ FD2
 - ➤ medical_reports client_id
 - > medical_reports --- hinfo_id
- 10. Property Claim Policies (pclaim_id, fire_brigade_report, invoice_of_article, date_of_claim, fir, pinfo_id, client_id, policy_type_code)

```
pclaim_id ____ date_of_claim
```

- > pclaim_id ____ fir
- > pclaim id → pinfo id
- ▶ pclaim_id → client_id
- pclaim_id ____ policy_type_code
- > **Key:-** { pclaim_id }
- > Prime Attribute:- pclaim_id
- **BCNF:-** Yes
- 11. Vehicle Claim Policies (vclaim_id, repaire_expense, date_of_claim, fir, vinfo_id, client_id, policy_type_code)
 - ➤ vclaim_id repaire_expense
 - > vclaim_id \to date_of_claim
 - vclaim_id → fir
 - ➤ vclaim_id → vinfo_id
 - > vclaim_id ----- client_id
 - ➤ vclaim_id policy_type_code
 - **Key:-** { vclaim_id }
 - > Prime Attribute:- vclaim id
 - **BCNF:-** Yes

- 12. Sub Policies (sub_policy_id, sub_policies_name, description, premium, policy_period, claim_settlement_ratio, policy_type_code)
 - ➤ sub policy id description
 - ➤ sub_policy_id sub_policies_name

 - > sub_policy_id → premium
 > sub_policy_id → policy_period
 - ➤ sub_policy_id claim_settlement_ratio
 - > sub_policy_id ---> policy_type_code

```
> Key:- { sub_policy_id }
```

- > Prime Attribute:- sub_policy_id
- **BCNF:-** Yes

- 13. Client's Policies (client policy id, reg date, exp date, agent id, sub_policies_id, client_id)
 - ➤ client_policy_id reg_date
 - ➤ client_policy_id exp_date
 - > client_policy_id ---> agent_id

 - client_policy_id → client_id
 - **Key:-** { client_policy_id }
 - > Prime Attribute:- client policy id
 - **BCNF:-** Yes
- 14. Policy Payment Details (receipt_id, date_of_payment, client_policy_id, client id)

 - ➤ client_policy_id → client_id
 - > **Key:-** { receipt_id }
 - > **Prime Attribute:-** receipt_id, client_policy_id
 - **BCNF:** No
 - ❖ client policy id → client id this FD violates BCNF requirement.
 - > 3NF :- No
 - ❖ Same FD violates 3NF requirement.
 - > 2NF:- Yes

```
> receipt_id ---> date_of_payment
```

- > receipt_id ---> client_policy_id
- ➤ client_policy_id → client_id

- Consider relation Policy payment details (receipt_id, date_of_payment, client_policy_id, client_id). If we break this relation into R1(receipt_id, date_of_payment, client_policy_id) and R2(client_policy_id, client_id).
- Based on BCNF decomposition algorithm we decompose Vehicle Info into R1 and R2.
- > receipt_id+ = receipt_id, date_of_payment, client_policy_id
- client_policy_id+ = client_policy_id, client_id
- > FD1
 - receipt_id date_of_paymentreceipt_id client_policy_id
- ➤ FD2
 - ❖ client_policy_id → client_id

Minimal FD Set

1. Client (client_id, name, email, dob, city, state, pincode, bank_acc_no)

Step-1: Convert RHS attribute into singleton attribute.

This FDs Is already in singleton set

- ➤ client_id → name
- ➢ client_id → email➢ client_id → dob
- > client_id → state
- ➤ client_id city
- ➤ client_id → pincode
- > client_id ---> bank_acc_no
- ▶ pincode → state
- ▶ pincode → city

Step-2: Find Closure

client_id⁺:{client_id, name, email, dob, city, state, pincode, bank_acc_no }

- ➤ client_id → name
- ➢ client_id → email➢ client_id → dob
- ➤ client_id → state
- > client_id ---> city
- > client id → pincode
- ➤ client_id bank_acc_no
- ▶ pincode → state
- ▶ pincode → city

Step-3: Remove Redundant FDs.

- ➤ client_id name
- ➤ client id email
- ➤ client_id → dob
- > client id → pincode
- > client_id ---- bank_acc_no
- ▶ pincode → state
- pincode → city

```
➤ client_id — name,email, dob, city, state, pincode, bank_acc_no
     ➤ pincode → state, city
2. Client's Contact (mobile no, client id)
      > client id → mobile no
     This Fds is in Minimal-FDs.
3. Agent(agent_id, name, email)
   ❖ agent id —→ name

    agent_id → email

This RHS attribute is already in singleton Attribute
Step-2: Find Closure
Agent_id<sup>+</sup>={agent_id,name,email}
   ❖ agent_id → name
   ❖ agent_id → email
Step-3: Remove Redundant FDs
   ❖ agent_id → name,email
4. Agent's contact (mobile no, agent id)

    agent_id 
    mobile_no

   This Fds is in Minimal-FDs.
5. Policies (code, name)
   > code → name
   This Fds is in Minimal-FDs.
6. Health Info (hinfo_id, disease, blood_group, policy_type_code, client_id)

    hinfo_id 
    → disease

   hinfo_id → blood_group
   hinfo_id _____ policy_type_code
   ➤ hinfo_id — client_id
```

This RHS attribute is already in singleton Attribute.

Step-2: Find Closure

Health Info⁺={hinfo_id, disease, blood_group, policy_type_code, client_id}

- ➤ hinfo id → disease
- ▶ hinfo_id → blood_group
- hinfo_id _____ policy_type_code
- ➤ hinfo id client id

Step-3: Remove Redundant FDs

- ▶ hinfo_id → disease, blood_group, policy_type_code, client_id
- 7. Property Info (pinfo_id, property_value, construction_cost, location, area, property_age, title_deed, policy_type_code, client_id)

 - pinfo_id ---- construction_cost

 - ▶ pinfo_id → area
 - pinfo_id ____ property_age

 - pinfo_id _____ policy_type_code

This RHS attribute is already in singleton Attribute.

Step-2: Find Closure

pinfo_id⁺={property_value, construction_cost, location, area, property_age, title_deed, policy_type_code, client_id}

- pinfo_id property_value
- pinfo_id ---- construction_cost
- > pinfo_id → location
- ▶ pinfo_id → area
- pinfo_id ____ property_age
- pinfo_id _____ policy_type_code

Step-3: Remove Redundant FDs

- ▶ pinfo id → property_value, construction_cost, location, area, property_age, title_deed, policy_type_code, client_id
- 8. Vehicle info (vinfo_id, vehicle_number, model_name, licence_no, rc_no, reg_year, policy_type_code, client_id)
 - ▶ vinfo id → vehicle number
 - vinfo_id → model_name
 - > vinfo_id → licence_no> vinfo_id → rc_no

 - vinfo_id reg_yearvinfo_id policy_type_code
 - > vinfo_id → client_id
 - > rc_no ---- vehicle_number
 - ➤ licence_no client_id

Step-1: Convert RHS attribute into singleton attribute.

- > vinfo id ---- licence no
- > vinfo_id → reg_year
- ➤ vinfo_id policy_type_code
- > rc_no ----- vehicle_number
- ➤ licence_no ---> client_id

Step-2: Find Closure

vinfo_id⁺={vehicle_number, model_name, licence_no, rc_no, reg_year, policy_type_code, client_id}

- > vinfo_id → licence_no
- ➤ vinfo id rc no
- ➤ vinfo_id policy_type_code
- > vinfo id → client id

- ➤ rc_no — vehicle_number
- ➤ licence_no client_id

Step-3: Remove Redundant FDs

- ➤ vinfo id → model name
- vinfo_id → licence_no
- > vinfo_id → rc_no

- > rc_no ----- vehicle_number
- ➤ licence_no ---> client id
- ➤ vinfo_id rehicle_number, model_name, licence_no, rc_no, reg_year, policy_type_code, client_id
- ➤ licence no client id
- 9. Health Claim Policies (hclaim_id, medical_reports, medical_expences, date_of_claim, client_id, policy_type_code, hinfo_id)

 - ▶ hclaim_id → medical_reports
 ▶ hclaim_id → medical_expences
 - ➤ hclaim_id date_of_claim
 - ➤ hclaim_id client_id
 - ➤ hclaim_id policy_type_code
 - ➤ hclaim_id → hinfo_id
 - medical_reports client_idmedical_reports hinfo_id

Step-1: Convert RHS attribute into singleton attribute.

- ➤ hclaim_id medical_reports
- ➤ hclaim_id medical_expences
- ➤ hclaim_id date_of_claim
- ▶ hclaim_id → client_id
- ➤ hclaim_id policy_type_code
- ➤ hclaim id hinfo id
- ➤ medical reports client id
- ➤ medical_reports hinfo_id

Step-2: Find Closure

hclaim_id⁺={hclaim_id,medical_reports,medical_expences,date_of_claim, client_id, policy_type_code, hinfo_id} ➤ hclaim_id — medical_reports ➤ hclaim_id → medical_expences ➤ hclaim id — → date of claim ➤ hclaim_id — client_id ➤ hclaim id — policy type code ➤ hclaim_id — hinfo_id ➤ medical reports — client id > medical_reports ____ hinfo_id **Step-3: Remove Redundant FDs** ▶ hclaim_id → medical_reports▶ hclaim_id → medical_expences ➤ hclaim_id — date_of_claim ➤ hclaim_id — policy_type_code ➤ medical_reports — client_id ➤ medical reports — hinfo id ➤ hclaim id → medical reports, medical reports, medical expences, date_of_claim, client_id, policy_type_code, hinfo_id 10. Property Claim Policies (pclaim_id, fire_brigade_report, invoice_of_article, date of claim, fir, pinfo id, client id, policy type code) > pclaim id ---- fire brigade report > pclaim id --- invoice of article > pclaim_id ___ date_of_claim

Step-1: Convert RHS attribute into singleton attribute

> pclaim_id ____ fir

pclaim_id — pinfo_id
pclaim_id — client_id

pclaim_id ____ policy_type_code

- > pclaim id ____ date of claim
- > pclaim id ____ fir
- > pclaim id → pinfo id
- > pclaim_id ---- client_id
- > pclaim id ____ policy type code

Step-2: Find Closure

pclaim_id⁺={ pclaim_id,fire_brigade_report, invoice_of_article, date_of_claim, fir, pinfo_id, client_id, policy_type_code}

- > pclaim_id ---> invoice_of_article
- > pclaim id ____ date of claim
- > pclaim id ____ fir
- > pclaim_id ---> pinfo_id
- ➤ pclaim id client id
- > pclaim id ---> policy type code

Step-3: Remove Redundant FDs

> pclaim_id ---> fire_brigade_report,invoice_of_article, date_of_claim, fir, pinfo id, client id, policy type code

- 11. Vehicle Claim Policies (vclaim_id, repaire_expense, date_of_claim, fir, vinfo_id, client_id, policy_type_code)

 - ➤ vclaim id date of claim
 - ∨ vclaim id → fir

 - vclaim_id vinfo_id
 vclaim_id client_id
 - ➤ vclaim_id policy_type_code

Step-1: Convert RHS attribute into singleton attribute

- > vclaim_id ----- date_of_claim

- ➤ vclaim_id fir
- ➤ vclaim_id → vinfo_id
- ➤ vclaim_id client_id
- > vclaim_id ---> policy_type_code

Step-2: Find Closure

vclaim_id⁺={vclaim_id, repaire_expense, date_of_claim, fir, vinfo_id, client_id, policy_type_code}

- ➤ vclaim_id repaire_expense
- > vclaim_id \to date_of_claim
- > vclaim id ----- fir
- > vclaim_id --- vinfo_id
- ➤ vclaim_id policy_type_code

Step-3: Remove Redundant FDs

- ➤ vclaim_id repaire_expense
- > vclaim id \to date of claim
- ▶ vclaim_id → fir
- > vclaim id --- vinfo id
- vclaim_id → client_id
- ➤ vclaim_id policy_type_code
- > vclaim_id ---> repaire_expense, date_of_claim, fir, vinfo_id, client_id, policy_type_code
- 12.Sub Policies (sub_policy_id, sub_policies_name, description, premium, policy period, claim_settlement_ratio, policy_type_code)
 - ➤ sub_policy_id description
 - Sub_policy_id → sub_policies_name

 - > sub_policy_id → sub_policy_id → premium
 > sub_policy_id → policy_period
 - ➤ sub_policy_id claim_settlement_ratio
 - ➤ sub_policy_id policy_type_code

Step-1: Convert RHS attribute into singleton attribute

- ➤ sub_policy_id description
- > sub_policy_id → sub_policies_name
- ➤ sub_policy_id → premium

- sub_policy_id policy_period
 sub_policy_id claim_settlement_ratio
- ➤ sub_policy_id → policy_type_code

Step-2: Find Closure

sub_policy_id⁺={sub_policy_id,description,premium,policy_period, claim_settlement_ratio, policy_type_code, sub_policies_name }

- ➤ sub_policy_id → description➤ sub_policy_id → sub_policies_name
- > sub_policy_id → premium
- > sub_policy_id → policy_period
- ➤ sub_policy_id ratio
- ➤ sub_policy_id → policy_type_code

Step-3: Remove Redundant FDs

- ➤ sub_policy_id description
- ➤ sub_policy_id sub_policies_name
- ➤ sub_policy_id premium
- ➤ sub_policy_id policy_period
- > sub_policy_id → claim_settlement_ratio
- ➤ sub_policy_id policy_type_code
- sub_policies_name,description,premium,policy_period, > sub_policy_id, claim settlement ratio, policy type code
- 13.Client's Policies (client policy id, reg date, exp date, agent id, sub_policies_id, client_id)
 - client_policy_id reg_dateclient_policy_id exp_date

 - > client_policy_id ---> sub_policy_id

Step-1: Convert RHS attribute into singleton attribute

- ➤ client_policy_id → reg_date
- ➤ client_policy_id exp_date
- > client_policy_id ----- agent_id
- > client_policy_id ---> sub_policy_id

➤ client_policy_id → client_id

Step-2: Find Closure

client_policy_id⁺={client_policy_id,reg_date,exp_date,agent_id, sub policies id, client id}

- ➤ client_policy_id → reg_date
- ➤ client_policy_id exp_date
- > client_policy_id ---> agent_id
- client_policy_id ____ sub_policy_id
 client_policy_id ____ client_id

Step-3: Remove Redundant FDs

- ➤ client_policy_id → reg_date
- ➤ client policy id exp date
- > client_policy_id ----- agent_id
- client_policy_id ____ sub_policy_id
- client_policy_id → client_id
- > client_policy_id --- reg_date, exp_date, agent_id, sub_policies_id, client id
- 14. Policy Payment Details (receipt id, date of payment, client policy id, client id)
 - > receipt_id --->date_of_payment
 - > receipt_id ----- client_policy_id

 - ➤ client_policy_id → client_id

Step-1: Convert RHS attribute into singleton attribute

- > receipt_id --->date_of_payment
- > receipt id ---- client policy id
- ➤ client_policy_id → client_id

Step-2: Find Closure

receipt_id⁺={ receipt_id, date_of_payment, client_policy_id, client_id}

- > receipt_id --->date_of_payment
- receipt_id ---- client_policy_id
- ➤ receipt_id client_id
- ➤ client_policy_id → client_id

Step-3: Remove Redundant FDs

- receipt_id --->date_of_payment
- receipt_id ---- client_policy_id
- ➤ client_policy_id → client_id
- ➤ client_policy_id → client_id

DDL Script For Insurance Agency Management System

```
CREATE TABLE CLIENT (
  Client id INTEGER,
  Name VARCHAR(30),
  Email VARCHAR(30),
  DOB DATE,
  City VARCHAR(20),
  State VARCHAR(20),
  Pincode INTEGER,
  Bank_acc_no DECIMAL(16),
  PRIMARY KEY(Client id)
  );
CREATE TABLE CLIENT_CONTACT (
  Client_id_ref INTEGER,
  Mobile no BIGINT,
  FOREIGN KEY(Client_id_ref) REFERENCES CLIENT(Client_id)
          ON DELETE SET NULL ON UPDATE CASCADE,
  PRIMARY KEY(Client_id_ref,Mobile_no)
  );
CREATE TABLE Agents (
  Agent id SMALLINT PRIMARY KEY,
  Name VARCHAR(30),
  Email VARCHAR(30)
  );
CREATE TABLE AGENT_CONTACT(
 Mobile_no BIGINT,
 Agent_id_ref SMALLINT,
FOREIGN KEY (Agent_id_ref) REFERENCES Agents(Agent_id)
     ON DELETE CASCADE ON UPDATE CASCADE.
 PRIMARY KEY (Mobile_no, Agent_id_ref)
 );
CREATE TABLE POLICIES (
  Code INTEGER.
  Name VARCHAR(20),
  PRIMARY KEY (Code)
  );
```

```
CREATE TABLE SUB_POLICIES (
  Sub_policies_id SMALLINT,
  Sub_policies_name VARCHAR(30),
  Policy_type_code_ref SMALLINT,
  Description VARCHAR(50),
  Premium FLOAT,
  Policy_period INTEGER,
  Claim_settlement_ratio FLOAT,
  PRIMARY KEY (Sub policies id)
  FOREIGN KEY (Policy_type_code_ref) REFERENCES POLICIES (Code)
     ON DELETE SET NULL ON UPDATE CASCADE
);
CREATE TABLE Client_policies (
  Client_policy_id SMALLINT PRIMARY KEY,
  Reg date DATE,
  Exp_date DATE,
  Agent id ref SMALLINT,
  Sub_policies_id_ref SMALLINT,
  Client id ref SMALLINT,
  FOREIGN KEY (Agent_id_ref) REFERENCES Agents (Agent_id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Client_id_ref) REFERENCES CLIENT (Client_id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Sub_policies_id_ref) REFERENCES SUB_POLICIES
(Sub_policies_id)
     ON DELETE CASCADE ON UPDATE CASCADE
  );
CREATE TABLE Policy_payment_details (
  Reciept id NUMERIC(10,0) PRIMARY KEY,
  Date_of_payment DATE,
  Client_policy_id_ref SMALLINT,
  Client_id_ref SMALLINT,
  FOREIGN KEY (Client id ref) REFERENCES CLIENT (Client id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Client policy id ref) REFERENCES SUB POLICIES
(Sub_policies_id)
     ON DELETE SET NULL ON UPDATE CASCADE
```

```
);
CREATE TABLE SALES(
  Client_id_ref SMALLINT,
  Agent id ref SMALLINT,
  Policies code ref INTEGER,
  FOREIGN KEY (Client id ref) REFERENCES CLIENT (Client id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Agent id ref) REFERENCES AGENTS (Agent id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Policies code ref) REFERENCES POLICIES (Code)
     ON DELETE SET NULL ON UPDATE CASCADE
  );
CREATE TABLE Vehicle_Info (
  Vinfo_ID SMALLINT PRIMARY KEY,
  Vehicle no VARCHAR(10),
  Model name VARCHAR(50),
  Licence_no VARCHAR(15),
  RC_no VARCHAR(10),
  Reg_year INT,
  Sub_policies_id_ref SMALLINT,
  Client_id_ref SMALLINT,
  FOREIGN KEY (Sub_policies_id_ref) REFERENCES SUB_POLICIES
(Sub_policies_id),
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Client_id_ref) REFERENCES CLIENT(Client_id)
     ON DELETE CASCADE ON UPDATE CASCADE.
);
CREATE TABLE Vehicle_Claim_Policies (
  Vclaim id SMALLINT PRIMARY KEY.
  Repaire_expense DECIMAL(9,2),
  Date of claim DATE,
  FIR VARCHAR(10),
  VInfo_ID_ref SMALLINT,
  Client id ref SMALLINT,
  Sub_policies_id_ref SMALLINT,
  FOREIGN KEY(VInfo_ID_ref) REFERENCES Vehicle_Info(Vinfo_ID)
```

```
ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Client id ref) REFERENCES CLIENT(Client id)
     ON DELETE CASCADE ON UPDATE CASCADE,
FOREIGN KEY (Sub policies id ref) REFERENCES SUB POLICIES
(Sub_policies_id),
     ON DELETE CASCADE ON UPDATE CASCADE
  );
CREATE TABLE Health_info (
  Hinfo id SMALLINT PRIMARY KEY,
  Disease VARCHAR(100),
  Blood group VARCHAR(3),
  Sub_policies_id_ref SMALLINT,
  Client id ref SMALLINT,
  FOREIGN KEY (Client_id_ref) REFERENCES CLIENT(Client_id)
     ON DELETE CASCADE ON UPDATE CASCADE.
  FOREIGN KEY (Sub_policies_id_ref) REFERENCES SUB_POLICIES
(Sub policies id)
     ON DELETE CASCADE ON UPDATE CASCADE
);
CREATE TABLE Health claim policy (
  Hclaim_id SMALLINT PRIMARY KEY,
  Medical reports VARCHAR(10),
  Medical_expences DECIMAL(9,2),
  Date of claim DATE,
  Client id ref SMALLINT,
  Sub policies id ref SMALLINT,
  Hinfo id ref SMALLINT.
  FOREIGN KEY (Client_id_ref) REFERENCES CLIENT(Client_id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Sub_policies_id_ref) REFERENCES SUB_POLICIES
(Sub policies id)
     ON DELETE CASCADE ON UPDATE CASCADE,
  FOREIGN KEY (Hinfo id ref) REFERENCES Health info (Hinfo id)
     ON DELETE CASCADE ON UPDATE CASCADE
  );
```

```
CREATE TABLE Property_info (
  Pinfo id SMALLINT PRIMARY KEY,
  Property_value DECIMAL(11,2),
  Construction cost DECIMAL(11,2),
  Area DECIMAL(5,3),
  Location VARCHAR(30),
  Property_age INT,
  Title_deed VARCHAR(10),
  Sub policies id ref SMALLINT,
  Client_id_ref SMALLINT,
  FOREIGN KEY (Client_id_ref) REFERENCES CLIENT(Client_id)
     ON DELETE CASCADE ON UPDATE CASCADE.
  FOREIGN KEY (Sub_policies_id_ref) REFERENCES SUB_POLICIES
(Sub_policies_id)
     ON DELETE CASCADE ON UPDATE CASCADE
);
CREATE TABLE Property_claim_policies (
  Pclaim_id SMALLINT PRIMARY KEY,
  Fire_brigade_report VARCHAR(10),
  Invoice_of_artical DECIMAL(9,2),
  Date of claim DATE,
  FIR VARCHAR(10),
  Pro_info_id_ref SMALLINT,
  Client_id_ref SMALLINT,
  Sub policies id ref SMALLINT,
  FOREIGN KEY (Pro_info_id_ref) REFERENCES Property_info (Pinfo_id)
     ON DELETE CASCADE ON UPDATE CASCADE.
  FOREIGN KEY (Client id ref) REFERENCES CLIENT (Client id)
     ON DELETE CASCADE ON UPDATE CASCADE.
  FOREIGN KEY (Sub_policies_id_ref) REFERENCES SUB_POLICIES
(Sub policies id)
     ON DELETE CASCADE ON UPDATE CASCADE
  );
```

Insert Queries For Insurance Agency Management System

client Table

```
insert into client values
(1001, 'Rohit', 'rh@gmail.com', '1965-05-
05', 'Hyderabad', 'Telangana', '500008', '7032883964450001'),
(1002, 'Sharma', 'sharmaji@gmail.com', '1966-06-
06', 'Jaipur', 'Rajasthan', '302001', '7032883964450002'),
(1003, 'Virat', 'vk@gmail.com', '1970-10-
10','Delhi','Delhi','110001','7032883964450003'),
(1004, 'Surya', 'sky@gmail.com', '1980-12-
10', 'Banglore', 'Karnataka', '530068', '7032883964450004'),
(1005, 'Panchal', 'panchal@gmail.com', '1971-10-
10', 'Surat', 'Gujarat', '335009', '7032883964450005'),
(1006, 'Mahendra', 'msd@gmail.com', '1972-01-
01', 'Chennai', 'Tamilnadu', '600001', '7032883964450006'),
(1007, 'Rahul', 'rh@gmail.com', '1973-02-
03', 'Pune', 'Maharashtra', '411002', '7032883964450007'),
(1008, 'Umar', 'um@gmail.com', '1974-05-
10', 'Lucknow', 'UttarPradesh', '226001', '7032883964450008'),
(1009, 'Faruk', 'fk@gmail.com', '1970-04-
04', 'Bhopal', 'Madhyapradesh', '462001', '7032883964450009'),
(1010, 'Mithali', 'mt@gmail.com', '1980-02-
25', 'Vishakhapatnam', 'Andhrapradesh', '530001', '7032883964450010'),
(1011, 'Feni', 'fen@gmail.com', '1990-12-
10', 'Patna', 'Bihar', '800001', '7032883964450011'),
(1012, 'Smriti', 'sm@gmail.com', '1995-10-
04', 'Ghaziabad', 'Uttarpradesh', '201003', '7032883964450012'),
(1013, 'Sania', 'ss@gmail.com', '1972-09-
19', 'Ludhiana', 'Punjab', '141003', '7032883964450013'),
(1014, 'Anushka', 'as@gmail.com', '1980-12-
10', 'Varanasi', 'Uttarpradesh', '212011', '7032883964450014'),
(1015, 'Bhuvneshwar', 'bk@gmail.com', '1945-07-
17', 'Salem', 'Tamilnadu', '636002', '7032883964450015');
```

client_contact Table

```
insert into client_contact values (1001,7555476832), (1002,8555242652), (1003,9555514393),
```

```
(1004,9955571582),
(1005,9555523566),
(1006,8555325677),
(1007,9255589513),
(1008,7555184489),
(1009,7555268345),
(1010,9855534051),
(1011,7555733357),
(1012,9455580389),
(1013,8555926426),
(1014,7555947444),
(1015,9855594515);
```

agents Table

insert into agents values (5101,'Salim','salim@gmail.com'), (5102,'Manoj','manoj@gmail.com'), (5103,'Vatsal','vt@gmail.com'), (5104,'Anjali','atm@gmail.com'), (5105,'Dev','d12@gmail.com');

agents_contact Table

insert into agent_contact values (7654123842,5101), (8457561232,5102), (9898989898,5103), (9636469669,5104), (7887375787,5105);

policies table

insert into policies values (1001, 'Health Insurance'), (1002, 'Property Insurance'), (1003, 'Vehicle Insurance');

Sub_Policies Table

INSERT INTO sub_policies VALUES (9001,'Individual',1001,'5 Lakh Cover',34255.00,1,95.5), (9002,'Corona Kavach',1001,'5.5 Lakh Cover',8409.54,3,89.1), (9003,'Home',1002,'5 Cr Cover',36285.00,3,87.0), (9004,'Commercial',1002,'6 Cr Cover',39356,3,86.5), (9005,'Car',1003,'4,64,835 IDV',15104.00,1,80.0), (9006,'Bike',1003,'51,824 IDV',240.35,1,90.0);

Health_info Table

insert into health_info values (301,'Diabetes','AB+',9001,1003), (302,'High Blood Pressure','B+',9001,1001), (303, 'Cholesterol','A+',9002,1007), (304,'Uric Acid','AB-',9002,1010), (305,'Asthma','B-',9002,1002), (306,'Pneumonia','B+',9002,1004), (307,'Strep throat','AB+',9001,1006);

Property_info Table

insert into property_info values (2001,7000000,20000000,'18,000 sq.ft','Punjab',5,'Yes',9004,1013), (2002,50000000,10000000,'15,000 sq.ft','Uttarpradesh',4,'Yes',9004,1012), (2003,30000000,9500000,'12,000 sq.ft','Madhyapradesh',3,'Yes',9003,1009), (2004,20000000,8100000,'9,000 sq.ft','Tamilnadu',2,'Yes',9003,1015), (2005,6000000,7000000,'5,000 sq.ft','Bihar',3,'Yes',9003,1011), (2006,20000000,8000000,'6000 sq.ft','Delhi',4,'Yes',9003,1003), (2007,40000000,12000000,'9000 sq.ft','Uttarpradesh',5,'Yes',9004,1008);

Vehicle_info Table

insert into vehicle_info values (4001, 'TN01AB1235', 'Hellcat X132', 'TN0120151203654', 'TN01ZQ1256', 2019, 9006, 1006),

```
(4002,'KA02FG5689','Kawasaki
Z900','KA0420142032563','KA02RT6321',2017,9006,1004),
(4003,'UP03JK5202','Honda
Amaez','UP0520162023698','UP03SD4257',2016,9005,1014),
(4004,'GJ07LM1456','Hyundai
Creta','GJ0720194563210','GJ07IO6938',2015,9005,1005),
(4005,'UP06FD8765','Volkswagen Tiguan
Allspace','UP0920186325874','UP06YU2697',2020,9005,1008),
(4006,'TS02CD2346','Baleno','TS1224562314765','TS02AS2367',2018,9005,1001);
```

client policies

```
INSERT INTO client policies VALUES
(01, 2019-02-12, 2020-02-12, 5101, 9001, 1001),
(02, 2021-01-15, 2022-01-15, 5102, 9001, 1003),
(03, 2019-08-21, 2022-08-21, 5105, 9002, 1002),
(04, 2020-06-10, 2023-06-10, 5101, 9002, 1007),
(05, 2021-01-01, 2024-01-01, 5105, 9002, 1010),
(06, 2015-08-20', 2018-08-20', 5101, 9003, 1009),
(07, 2018-07-06', 2021-07-06', 5102, 9003, 1011),
(08, 2021-03-08, 2024-03-08, 5102, 9003, 1015),
(09, 2014-04-10, 2017-04-10, 5104, 9004, 1012),
(10,'2021-09-01','2024-09-01',5104,9004,1013),
(11,2016-01-15,2017-01-15,5104,9005,1005),
(12, 2021-10-21, 2022-10-21, 5101, 9005, 1008),
(13, 2018-12-12, 2019-12-12, 5102, 9005, 1014),
(14, 2019-07-07, 2020-07-07, 5103, 9006, 1004),
(15, 2020-02-20', 2021-02-20', 5103, 9006, 1006),
(16.2020-02-12.2021-02-12.5103.9005.1001).
(17, 2018-10-18, 2021-10-18, 5102, 9003, 1003),
(18, 2019-05-11, 2020-05-11, 5104, 9002, 1004),
(19, 2017-06-20', 2020-06-20', 5101, 9004, 1008),
(20,'2020-05-17','2021-05-17',5105,9001,1006);
```

Health_claim_policies

INSERT INTO health_claim_policy VALUES (11101,'Yes',150000,'2019-11-15',1001,9001,302), (11102,'Yes',350000,'2021-09-20',1003,9001,301), (11103,'Yes',200000,'2020-10-31',1002,9002,305), (11104,'Yes',300000,'2021-05-18',1007,9002,303), (11105,'Yes',180000,'2019-11-18',1004,9002,306), (11106,'Yes',200000,'2020-10-20',1006,9001,307);

Property_claim_policies

INSERT INTO property_claim_policies VALUES (11201,'Yes',15000000,'2017-05-23','Yes',2003,1009,9003), (11202,'Yes',20000000,'2020-04-15','Yes',2005,1011,9003), (11203,'Yes',10000000,'2016-08-19','Yes',2002,1012,9004), (11204,'Yes',28000000,'2021-11-30','Yes',2001,1013,9004), (11205,'Yes',7000000,'2020-08-01','Yes',2006,1003,9003), (11206,'Yes',200000000,'2019-07-17','Yes',2007,1008,9004);

❖ Vehicle_claim_policies

INSERT INTO vehicle_claim_policies VALUES (11301,50000,'2016-11-30','Yes',4004,1005,9005), (11302,150000,'2019-09-15','Yes',4003,1014,9005), (11303,21000,'2020-02-01','Yes',4002,1004,9006), (11304,120000,'2020-11-05','Yes',4006,1001,9005);

policy_payment_details

```
INSERT INTO policy_payment_details VALUES
(101,'2019-02-12',1,1001),
(102, 2021-01-15, 2, 1003),
(103, 2019-08-21, 3, 1002),
(104, '2020-06-10', 4, 1007),
(105, 2021-01-01, 5, 1010),
(106, 2015-08-20, 6, 1009),
(107, 2018-07-06, 7, 1011),
(108, '2021-03-08', 8, 1015),
(109, '2014-04-10', 9, 1012),
(110,'2021-09-01',10,1013),
(111, 2016-01-15, 11, 1005),
(112,'2021-10-21',12,1008),
(113, 2018-12-12, 13, 1014),
(114,'2019-07-07',14,1004),
(115, '2020-02-20', 15, 1006),
(116,'2020-02-12',16,1001),
(117, 2018-10-18, 17, 1003),
(118, 2017-06-20, 18, 1008),
(119, 2019-05-11, 19, 1004),
(120,'2020-05-17',20,1006);
```

SQL Queries For Insurance Agency Management System

1.List all the clients who have taken Bike Vehicle insurance.

❖ SELECT c1.client_id, c1.name, cp.sub_policies_id_ref FROM client AS c1 JOIN client_policies AS cp ON c1.client_id = cp.client_id_ref JOIN sub_policies AS s1 ON s1.sub_policies_id = cp.sub_policies_id_ref WHERE s1.sub_policies_name = 'Bike';

OUTPUT: -

Exp	olain Notifi	cations Messages	Data Output
	client_id integer	name character varying (30)	sub_policies_id_ref_smallint
1	1004	Surya	9006
2	1006	Mahendra	9006

2. List all clients who have taken the policy code 1001 and have validity greater than 1 year.

❖ SELECT c1.client_id, c1.name, p1.code, sp.policy_period FROM client AS c1 JOIN client_policies AS cp ON c1.client_id = cp.client_id_ref JOIN sub_policies AS sp ON cp.sub_policies_id_ref = sp.sub_policies_id JOIN policies AS p1 ON sp.policy_type_code_ref = p1.code WHERE p1.code = 1001 AND sp.policy_period > 1;

OUTPUT: -

Exp	olain Notific	cations Messages	Data Outp	ut
4	client_id integer	name character varying (30)	code integer	policy_period integer
1	1002	Sharma	1001	3
2	1007	Rahul	1001	3
3	1010	Mithali	1001	3

3. List all clients who have taken policy from agent's ID 5103.

❖ SELECT c1.client_id, c1.name, a1.agent_id, a1.name, a1.email FROM client AS c1 JOIN client_policies AS cp ON c1.client_id = cp.client_id_ref JOIN agents AS a1 ON cp.agent_id_ref = a1.agent_id

WHERE al.agent_id = 5103;

OUTPUT: -

Exp	olain Notific	cations Messages	Data Outpu	t	
4	client_id integer	name character varying (30)	agent_id smallint	name character varying (30)	email character varying (30)
1	1004	Surya	5103	Vatsal	vt@gmail.com
2	1006	Mahendra	5103	Vatsal	vt@gmail.com

4. List out all the client ID with phone number who has taken Health policy from agent ID 5101.

❖ SELECT c1.client_id, c1.name, cc.mobile_no, p1.name FROM client AS c1 JOIN client_contact AS cc

ON c1.client_id = cc.client_id_ref JOIN client_policies AS cp

ON cc.client_id_ref = cp.client_id_ref JOIN sub_policies AS sp

ON cp.sub_policies_id_ref = sp.sub_policies_id JOIN policies p1

ON sp.policy_type_code_ref = p1.code

WHERE pl.name = 'Health Insurance';

OUTPUT: -

Explain Notifica		cations Messages	Data Output	<u></u>
4	client_id integer	name character varying (30)	mobile_no bigint	name character varying (20)
1	1001	Rohit	7555476832	Health Insurance
2	1003	Virat	9555514393	Health Insurance
3	1002	Sharma	8555242652	Health Insurance
4	1007	Rahul	9255589513	Health Insurance
5	1010	Mithali	9855534051	Health Insurance

5. List all clients (client's id, Name, Email) who have taken more than one policy.

 select client_id,name,email from client as c except

(select client_id,name,email from client as c join client_policies as cp on c.client_id=cp.client_id_ref

group by client_id,name,email having count(client_id)<2) order by client_id asc;

OUTPUT: -

4	client_id [PK] integer	name character varying (30)	
1	1001	Rohit	
2	1003	Virat	
3	1004	Surya	
4	1006	Mahendra	
5	1008	Umar	

6. Give all the payment details of client ID 1008.

SELECT pd.reciept_id, pd.date_of_payment, pd.client_id_ref, cp.sub_policies_id_ref FROM policy_payment_details AS pd JOIN client_policies AS cp ON pd.client_policy_id_ref = cp.client_policy_id WHERE pd.client_id_ref = 1008;

OUTPUT: -

Ехр	olain Notificatio	ons Messages	Į	Data Output		
4	reciept_id numeric (10)	date_of_payment date	<u></u>	client_id_ref smallint	<u></u>	sub_policies_id_ref smallint
1	112	2021-10-21		1	800	9005
2	118	2017-06-20		1	800	9002

7. Update claim settlement ratio to 98.9% of sub policy ID 9002.

❖ UPDATE sub_policies SET claim_settlement_ratio = 98.9 WHERE sub_policies_id = 9002 RETURNING *;

OUTPUT: -

4	sub_policies_id [PK] smallint	sub_policies_name character varying (30)	policy_type_code_ref smallint	description character varying (100)	premium double precision	policy_period integer	claim_settlement_ratio double precision
1	9002	Corona Kavach	1001	5.5 Lakh Cover	8409.54	3	98

8. List all the sub-policies (id, policy name, description) of policy name='Property Insurance'.

❖ SELECT * FROM sub_policies AS sp JOIN policies AS p1 ON sp.policy_type_code_ref = p1.code WHERE p1.name = 'Property Insurance';

OUTPUT: -

ı	sub_policies_id smallint	sub_policies_name character varying (30)	policy_type_code_ref smallint	description character varying (100)	premium double precision	policy_period integer	claim_settlement_ratio double precision	code integer	name character varying (20)
1		Home		5 Cr Cover	36285	3	87		Property Insurance
2	9004	Commercial	1002	6 Cr Cover	39356	3	86.5	1002	Property Insurance

9. Retrieve date of registration and date of expiry of the policy of a client who has taken Health policy from agent ID 5101.

select reg_date,exp_date,agent_id_ref,client_id_ref from client_policies as cp join sub_policies as sp on cp.sub_policies_id_ref=sp.sub_policies_id join policies as p on sp.policy_type_code_ref=p.code where p.name='Health Insurance' and cp.agent_id_ref=5101;

Exp	olain Notific	ations Mes	sages Data O	utput
4	reg_date date ▲	exp_date date	agent_id_ref smallint	client_id_ref smallint
1	2019-02-12	2020-02-12	5101	1001
2	2020-06-10	2023-06-10	5101	1007

10. Most valuable agent who sold the most number of policies.

SELECT a.agent_id,count(client_policy_id) AS NO_OF_SALE from agents AS a INNER JOIN client_policies AS cp ON a.agent_id = cp.agent_id_ref GROUP BY a.agent_id ORDER BY NO_OF_SALE DESC LIMIT 1;

OUTPUT: -



11. List all the policy names with information of the client named 'Rahul'.

Select client_id,name,email,reg_date,exp_date,sub_policies_id_ref,agent_id_ref from client as c join client_policies as cp on c.client_id=cp.client_id_ref where name='Rahul';

Ехр	olain Notifica	tions Messages	Data Output				
4	client_id integer △	name character varying (30)	email character varying (30)	reg_date date ▲	exp_date date	sub_policies_id_ref smallint	agent_id_ref smallint
1	1007	Rahul	rh@gmail.com	2020-06-10	2023-06-10	9002	5101

12. List all the clients (id, name) whose policies will expire in 2024 and the agent's ID 5104.

❖ SELECT c.client_id,c.name,cp.exp_date,a.agent_id FROM client AS c JOIN client_policies AS cp ON c.client_id = cp.client_id_ref JOIN agents AS a ON a.agent_id = cp.agent_id_ref WHERE cp.exp_date BETWEEN '2024-01-01' AND '2024-12-31';

OUTPUT: -

Ехр	lain Notifica	tions Messages I	Data Output	
4	client_id integer	name character varying (30)	exp_date date	agent_id smallint
1	1015	Bhuvneshwar	2024-03-08	5102
2	1013	Sania	2024-09-01	5104
3	1010	Mithali	2024-01-01	5105

13. List out all the policies sold in the year 2019.

select code,name,cp.reg_date,cp.exp_date from policies as p join sub_policies as sp on p.code=sp.policy_type_code_ref join client_policies as cp on sp.sub_policies_id=cp.sub_policies_id_ref join policy_payment_details as ppd on ppd.client_policy_id_ref=cp.client_policy_id where date_of_payment between '2019-01-01' and '2019-12-31';

Exp	lain Notif	ications Messages	Data Output	
4	code integer	name character varying (20)	reg_date date △	exp_date date
1	1001	Health Insurance	2019-02-12	2020-02-12
2	1001	Health Insurance	2019-08-21	2022-08-21
3	1003	Vehicle Insurance	2019-07-07	2020-07-07
4	1001	Health Insurance	2019-05-11	2020-05-11

14. Update the city and state of client name 'Sharma' to city Gandhinagar and state Gujarat.

• UPDATE client SET city = 'Gandhinagar', state = 'Gujarat' WHERE name = 'Sharma' RETURNING *;

OUTPUT: -

1	client_id [PK] integer	name character varying (30)	character varying (30)	g'	dob date	city character varying (20)	state character varying (20)	1 1/4	pincode integer	4	bank_acc_no numeric (16)	6
1	1002	Sharma	sharmaji@gmail.com		1966-06-06	Gandhinagar	Gujarat		3020	001	703288396445	0000

15.List out all the agent ID and client ID who has taken policy between 2020-2021.

select client_id,agent_id from client as c join client_policies as cp on c.client_id=cp.client_id_ref join agents as a on a.agent_id=cp.agent_id_ref where reg_date between '2020-01-01' and '2021-12-31';

Exp	lain Notifica	tions Messa	ges Data Output
4	client_id integer	agent_id smallint	
1	1008	5101	
2	1007	5101	
3	1015	5102	
4	1003	5102	
5	1006	5103	
6	1001	5103	
7	1013	5104	
8	1010	5105	
9	1006	5105	

16.List out all clients whose medical expenses are above 2 lakhs.

SELECT c.client_id,c.name,hcp.medical_expences FROM client AS c JOIN health_claim_policy AS hcp ON c.client_id = hcp.client_id_ref WHERE hcp.medical_expences >= 200000;

Exp	lain Notific	cations Messages	Data Output		
client_id integer		name character varying (30)	medical_expences double precision		
1	1003	Virat	350000		
2 1006		Mahendra	20000		

Summarization

- An insurance agency is a Financial Agency that provides different types of insurance policies to protect individuals and businesses against the risk of financial losses in return for regular payments of premiums.
- ➤ In this project, we have created one database management system which mainly focuses on three kinds of policies, i.e., Health (individual, corona kavach), Vehicle (car, bike), Property (commercial, private) insurance. Our agents connect us with the clients.
- ➤ We require client details (health info, vehicle info, property info) to proceed further. After the client has purchased a policy, the individual must pay a premium (policy payment details).
- ➤ In case of financial losses/ hospitalization, the individual can claim policy (health claim policy, vehicle claim policy, property claim policy) at any time before the expiry date of the policy period that had purchased.