



INFO 5707 - DATA MODELING

INSURANCE DATABASE

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1. Project overview, objectives and scope

Overview:

This database is built to serve a collection of Insurance policy and the insured details. This collection consists of about data of 1000 insureds, there plans, coverages, billing and premium details. The policies are available for different commercial line purpose: Automobiles, Property and Workers compensation. This database system can help Insured and agents to search for their policy information. Insured/Agents can also know their upcoming billing information for the policy. This database helps the organization to store the data and keep track of size of collection, Insureds and agent details. For agents it is important to make entry of the details of the insureds to understand their policy interest. This database helps agents and underwriters to make these entries into the system.

Objectives:

Important objectives of this database system to help the insureds, agents and underwriters to store, track the information of the policies and the organization to collect and store the complete policy information along with the insured and agent/under writer's details.

Scope:

The size of the collection is 1000 policies of different insureds and agent's information.

2. User requirements:

User needs to search of their policy information help of policy number, to know the billing information, claims and coverages. Agents/under writers will entry the information of policy of an insured.

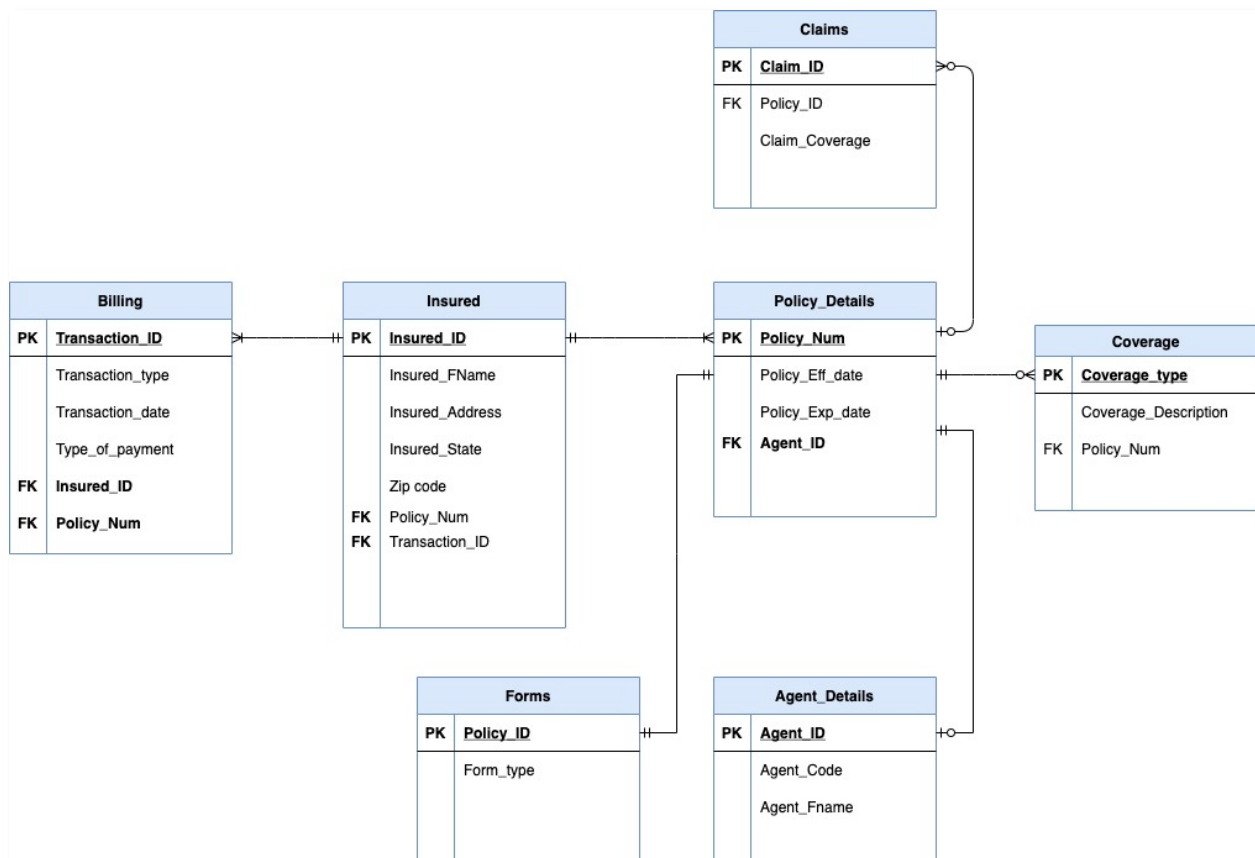
User/Agents/UW needs to enter their policy number to fetch the complete history of the policy. This database helps the administrators of the organization to enter all details of User, Agents and UW salary details, track their agent codes as well.

DBMS: Relational database (MySQL).

3. Business Rules:

- a) BILLING belongs to one particular INSURED
- b) INSURED can have many BILLING
- c) INSURED can have many POLICY_DETAILS
- d) POLICY_DETAILS belong to one particular INSURED
- e) POLICY_DETAILS can have one or many COVERAGE
- f) COVERAGE belong to one POLICY_DETAILS
- g) POLICY_DETAIL contains one FORMS
- h) FORMS belong to one particular POLICY_DETAIL
- i) POLICY_DETAIL can have zero or one AGENT_DETAIL
- j) AGENT_DETAIL belongs to only one POLICY_DETAIL
- k) CLAIMS can have zero or one POLICY_DETAIL
- l) POLICY_DETAIL has optional or many CLAIMS

4. Entity-Relationship Diagram:



5. Data Dictionary:

Data Dictionary								
Table Name	Attributes Name	Contents	Type	Format	Range	Required	PK or FK	FK Referred Table
Policy_Details	Policy_Num	Policy Number	VARCHAR(10)	XXXXXXXXXX		Y	PK	
	Policy_Eff_Date	Policy Effective date	Date	YYYYMMDD		Y		
	Policy_Exp_Date	Policy expiration date	Date	YYYYMMDD		Y		
	Agent_ID	Agent ID	VARCHAR(6)	XXXXXX			FK	Agent_Details
Insured	Insured_ID	Insured ID	VARCHAR(10)	XXXXXXXXXX		Y	PK	
	Insured_Fname	First name of insured	VARCHAR(15)	XXXXXXX		Y		
	Insured_Address	Mailing address of insured	VARCHAR(30)	XXXXXXX		Y		
	Insured_State	State of the insured	VARCHAR(10)	XXXXXXX		Y		
	Zipcode	Zipcode	VARCHAR(5)	99999		Y		
	Policy_Num	Policy Number	VARCHAR(10)	XXXXXXXXXX			FK	
	Transaction_ID	Transaction ID	VARCHAR(10)	XXXXXXXXXX		Y	FK	
Coverage	Coverage_type	Type of coverage	VARCHAR(10)	XXXXXXXXXX		Y	PK	
	Coverage_description	Description of coverage	VARCHAR(30)	XXXXXXXXXX		Y		
	Policy_Num	Policy number	VARCHAR(10)	XXXXXXXXXX		Y	FK	Policy_Details
Agent_details	Agent_ID	Agent ID	VARCHAR(6)	XXXXXX		Y	PK	
	Agent_code	agent code	VARCHAR(6)	XXXXXX		Y		
	Agent_Fname	First name of agent	VARCHAR(15)	XXXXXXXXXX		Y		
Forms	Policy_ID	Policy Number	VARCHAR(10)	XXXXXXXXXX		Y	PK	
	Form_type	Deliver method of form	CHAR(5)	XXXXXX		Y		
Billing	Transaction_ID	Transaction ID	VARCHAR(10)	XXXXXXXXXX		Y	PK	
	Transaction_type	type of transaction	CHAR(5)	XXXXXX		Y		
	Transaction_date	Transaction date	Date	YYYYMMDD		Y		
	Type_of_payment	type of payment	CHAR(5)	XXXXXX		Y		
	Insured_ID	Insured ID	VARCHAR(10)	XXXXXXXXXX		Y	FK	Insured
	Policy_Num	Policy Number	VARCHAR(10)	XXXXXXXXXX		Y	FK	Policy_Details
	PK	Primary key						
	FK	Forigen Key						
	CHAR	Fixed Character length data(1 - 255)						
	VARCHAR	Variable character length data(1 - 2000)						

1. Data entry and update:

Creating the database:INSURANCE_2020

```
mysql> create database Insurance_2020;  
Query OK, 1 row affected (0.02 sec)
```

Creating table Insured:

```
mysql> create table Insured(  
  -> Insured_id varchar(15), insured_Fname varchar(20), insured_Address varchar(20), insured_state varchar(10), zipcode varchar(10), policy_num varchar(10),  
  on_id varchar(10));  
Query OK, 0 rows affected (0.24 sec)
```

Creating table Agent_details:

```
mysql> create table agent_details(  
  -> agent_id varchar(10), agent_code varchar(10), agent_fname varchar(20));  
Query OK, 0 rows affected (0.08 sec)
```

Creating table policy_details:

```
mysql> create table policy_details(  
  -> policy_num varchar(20), policy_eff_date date, policy_exp_date date, agent_id varchar(20));  
Query OK, 0 rows affected (0.06 sec)
```

Creating table coverage:

```
mysql> create table coverage(  
  -> coverage_type varchar(10), coverage_description varchar(20), policy_num varchar(20));  
Query OK, 0 rows affected (0.06 sec)
```

Creating table Forms:

```
mysql> create table forms(  
  -> policy_id varchar(20), form_type varchar(20));  
Query OK, 0 rows affected (0.06 sec)
```

Creating table billing:

```
mysql> create table billing(  
  -> transaction_id varchar(20), transaction_type varchar(20), transaction_date date, type_of_payment varchar(20), insured_id varchar(20), policy_num varchar(20));  
Query OK, 0 rows affected (0.08 sec)
```

Creating table Claims:

```
mysql> create table claims  
  -> (  
  -> claim_id varchar(10), policy_id varchar(10), claim_coverage varchar(10));  
Query OK, 0 rows affected (0.06 sec)
```

Inserting values into Insured table:

```
mysql> insert into insured values('IN25581', 'Jack', 'Hickory Street', 'AZ', '76201', '12020209', 'TRS2200');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN25591', 'Jane', 'Melbourne Street', 'FL', '76201', '13020209', 'TRS2202');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN26591', 'luke', 'lewisville', 'TX', '76201', '14020209', 'TRS2204');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN27591', 'Melissa', 'lemon street', 'NY', '74201', '15020209', 'TRS2206');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN28591', 'Mayur', 'james street', 'NY', '74221', '16020209', 'TRS2208');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN29591', 'Robby', 'stella street', 'TX', '74220', '16120209', 'TRS2210');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN39561', 'James', 'West highland street', 'CA', '75220', '17120209', 'TRS2212');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN49561', 'Brennon', 'Denver', 'CH', '72220', '17920209', 'TRS2232');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN94561', 'Steven', 'Uruguay', 'AZ', '77220', '17420209', 'TRS22311');
Query OK, 1 row affected (0.01 sec)

mysql> insert into insured values('IN96561', 'Smith', 'Bernard', 'IN', '74220', '17820209', 'TRS24311');
Query OK, 1 row affected (0.01 sec)
```

Select query for insured table:

```
mysql> select * from insured;
+-----+-----+-----+-----+-----+-----+-----+
| Insured_id | insured_Fname | insured_Address | insured_state | zipcode | policy_num | transaction_id |
+-----+-----+-----+-----+-----+-----+-----+
| IN25581 | Jack | Hickory Street | AZ | 76201 | 12020209 | TRS2200 |
| IN25591 | Jane | Melbourne Street | FL | 76201 | 13020209 | TRS2202 |
| IN26591 | luke | lewisville | TX | 76201 | 14020209 | TRS2204 |
| IN27591 | Melissa | lemon street | NY | 74201 | 15020209 | TRS2206 |
| IN28591 | Mayur | james street | NY | 74221 | 16020209 | TRS2208 |
| IN29591 | Robby | stella street | TX | 74220 | 16120209 | TRS2210 |
| IN39561 | James | West highland street | CA | 75220 | 17120209 | TRS2212 |
| IN49561 | Brennon | Denver | CH | 72220 | 17920209 | TRS2232 |
| IN94561 | Steven | Uruguay | AZ | 77220 | 17420209 | TRS22311 |
| IN96561 | Smith | Bernard | IN | 74220 | 17820209 | TRS24311 |
+-----+-----+-----+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

Inserting values into Agent_details table:

```
mysql> insert into agent_details values('AG1234','IA224','Michael');
Query OK, 1 row affected (0.01 sec)

mysql> insert into agent_details values('AG1235','IA324','Rozy');
Query OK, 1 row affected (0.01 sec)

mysql> insert into agent_details values('AG1245','IA335','Russel');
Query OK, 1 row affected (0.01 sec)

mysql> insert into agent_details values('AG1256','IA365','Meredith');
Query OK, 1 row affected (0.01 sec)

mysql> insert into agent_details values('AG1296','IA446','Margarate');
Query OK, 1 row affected (0.01 sec)
```

Select query for Agent_details table:

```
mysql> select * from agent_details
-> ;
+-----+-----+-----+
| agent_id | agent_code | agent_fname |
+-----+-----+-----+
| AG1234   | IA224      | Michael     |
| AG1235   | IA324      | Rozy        |
| AG1245   | IA335      | Russel      |
| AG1256   | IA365      | Meredith    |
| AG1296   | IA446      | Margarate   |
+-----+-----+-----+
5 rows in set (0.00 sec)
```


Inserting values into Policy_details:

```
mysql> insert into policy_details values('12020209','2021-01-21','2022-01-20','AG1234');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('14020209','2021-05-18','2022-01-19','AG1235');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('15020209','2021-05-18','2022-08-19','AG1235');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('16020209','2021-05-18','2023-08-19','AG1235');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('16120209','2021-05-18','2023-08-19','AG1245');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('17120209','2021-05-02','2022-08-01','AG1245');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('','2021-05-02','2022-08-01','AG1296');
Query OK, 1 row affected (0.01 sec)

mysql> delete from policy_details where agent_id='AG1296';
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('17920209','2021-05-02','2022-08-01','AG1296');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('17420209','2021-05-07','2022-08-08','AG1256');
Query OK, 1 row affected (0.01 sec)

mysql> insert into policy_details values('17820209','2021-05-07','2022-08-08','AG1256');
Query OK, 1 row affected (0.01 sec)
```

Select query for Policy_details:

```
mysql> select * from policy_details;
+-----+-----+-----+-----+
| policy_num | policy_eff_date | policy_exp_date | agent_id |
+-----+-----+-----+-----+
| 13020209   | 2021-01-21      | 2022-01-20      | AG1234   |
| 12020209   | 2021-01-21      | 2022-01-20      | AG1234   |
| 14020209   | 2021-05-18      | 2022-01-19      | AG1235   |
| 15020209   | 2021-05-18      | 2022-08-19      | AG1235   |
| 16020209   | 2021-05-18      | 2023-08-19      | AG1235   |
| 16120209   | 2021-05-18      | 2023-08-19      | AG1245   |
| 17120209   | 2021-05-02      | 2022-08-01      | AG1245   |
| 17920209   | 2021-05-02      | 2022-08-01      | AG1296   |
| 17420209   | 2021-05-07      | 2022-08-08      | AG1256   |
| 17820209   | 2021-05-07      | 2022-08-08      | AG1256   |
+-----+-----+-----+-----+
10 rows in set (0.00 sec)
```

Inserting values for Coverage table:

```
mysql> insert into coverage values('Car','vehicle insurance','13020209');
Query OK, 1 row affected (0.02 sec)

mysql> insert into coverage values('Car','vehicle insurance','12020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into coverage values('health','health insurance','14020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into coverage values('bike','vehicle insurance','14020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into coverage values('bike','vehicle insurance','15020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into coverage values('building','property insurance','16020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into coverage values('home lease','rental insurance','16120209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into coverage values('home lease','rental insurance','17120209');
Query OK, 1 row affected (0.01 sec)
```

Select query for coverage details:

```
mysql> select * from coverage;
+-----+-----+-----+
| coverage_type | coverage_description | policy_num |
+-----+-----+-----+
| Car           | vehicle insurance    | 13020209   |
| Car           | vehicle insurance    | 12020209   |
| health        | health insurance     | 14020209   |
| bike          | vehicle insurance    | 14020209   |
| bike          | vehicle insurance    | 15020209   |
| building      | property insurance   | 16020209   |
| home lease    | rental insurance     | 16120209   |
| home lease    | rental insurance     | 17120209   |
| allpurpose    | general insurance    | 17920209   |
| allpurpose    | general insurance    | 17420209   |
| health        | health insurance     | 17820209   |
+-----+-----+-----+
11 rows in set (0.00 sec)
```

Inserting values into Billing table:

```
mysql> insert into billing values('TRS2202','renewal policy','2021-01-21','Agent','IN25591','13020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into billing values('TRS2204','endorsement','2021-01-19','Direct','IN26591','14020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into billing values('TRS2206','endorsement','2021-01-19','Direct','IN27591','15020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into billing values('TRS2208','renewal','2022-01-19','agent','IN28591','16020209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into billing values('TRS2210','audit','2023-01-19','agent','IN29591','16120209');
Query OK, 1 row affected (0.01 sec)

mysql> insert into billing values('TRS2212','audit','2023-01-19','agent','IN39591','17120209');
Query OK, 1 row affected (0.01 sec)
```

Select Query for Billing table:

```
mysql> select * from billing;
```

transaction_id	transaction_type	transaction_date	type_of_payment	insured_id	policy_num
TRS2200	New policy	2021-01-21	Agent	IN25581	12020209
TRS2202	renewal policy	2021-01-21	Agent	IN25591	13020209
TRS2204	endorsement	2021-01-19	Direct	IN26591	14020209
TRS2206	endorsement	2021-01-19	Direct	IN27591	15020209
TRS2208	renewal	2022-01-19	agent	IN28591	16020209
TRS2210	audit	2023-01-19	agent	IN29591	16120209
TRS2212	audit	2023-01-19	agent	IN39561	17120209
TRS2232	new policy	2020-05-20	agent	IN49561	17920209
TRS22311	renewalpolicy	2021-06-21	direct	IN94561	17420209
TRS24311	new policy	2021-06-20	agent	IN94561	17820209

```
10 rows in set (0.00 sec)
```

Inserting values into Claims table:

```
mysql> insert into claims values('CLM130','16120209','household');
Query OK, 1 row affected (0.01 sec)

mysql> insert into claims values('CLM131','17120209','household');
Query OK, 1 row affected (0.01 sec)

mysql> insert into claims values('CLM132','17920209','general');
Query OK, 1 row affected (0.01 sec)

mysql> insert into claims values('CLM133','17420209','general');
Query OK, 1 row affected (0.01 sec)

mysql> insert into claims values('CLM133','17820209','dental');
Query OK, 1 row affected (0.01 sec)

mysql> update claims set claim_id='CLM134' where claim_coverage='dental';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

Select Query for Claims table:

```
mysql> select * from claims;
+-----+-----+-----+
| claim_id | policy_num | claim_coverage |
+-----+-----+-----+
| CLM123   | 13020209   | car            |
| CLM124   | 13020209   | bike           |
| CLM125   | 12020209   | car            |
| CLM126   | 14020209   | surgery        |
| CLM127   | 14020209   | car            |
| CLM128   | 15020209   | bike           |
| CLM129   | 16020209   | buildings      |
| CLM130   | 16120209   | household      |
| CLM131   | 17120209   | household      |
| CLM132   | 17920209   | general        |
| CLM133   | 17420209   | general        |
| CLM134   | 17820209   | dental         |
+-----+-----+-----+
12 rows in set (0.00 sec)
```

Inserting values into Forms table:

```
mysql> insert into forms values('13020209', 'Electronic');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('12020209', 'paper');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('14020209','paper');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('15020209','electronic');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('16020209','electronic');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('16120209','electronic');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('17120209','electronic');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('17920209','paper');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('17420209','paper');
Query OK, 1 row affected (0.01 sec)

mysql> insert into forms values('17820209','electronic');
Query OK, 1 row affected (0.01 sec)
```

Select query for Forms table:

```
mysql> select * from forms;
+-----+-----+
| policy_num | form_type |
+-----+-----+
| 13020209   | Electronic |
| 12020209   | paper      |
| 14020209   | paper      |
| 15020209   | electronic |
| 16020209   | electronic |
| 16120209   | electronic |
| 17120209   | electronic |
| 17920209   | paper      |
| 17420209   | paper      |
| 17820209   | electronic |
+-----+-----+
10 rows in set (0.00 sec)
```

How to delete a row in a column: Deleting the particular column value

```
Error 1146 (42S02): Table 'insurance_2020101111' doesn't exist
mysql> delete from billing where insured_id = 'IN39591';
Query OK, 1 row affected (0.01 sec)
```

Update query: By using update query we can modify any column value

```
coverage= bike -- at line 1
mysql> update claims set claim_id='CLM124' where claim_coverage='Bike';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

2. Data Retrieval:

1. Select query to find details of particular insurance holder person with his agent details:

By this query we can able to find the insured person id and the agent details for the insured person.

```
mysql> select insured_id, policy_eff_date, policy_exp_date, agent_code, agent_fname from insured join policy_details on insured.policy_num=policy_details.policy_num join agent_details on agent_details.agent_id=policy_details.agent_id;
```

insured_id	policy_eff_date	policy_exp_date	agent_code	agent_fname
IN25581	2021-01-21	2022-01-20	IA224	Michael
IN25591	2021-01-21	2022-01-20	IA224	Michael
IN26591	2021-05-18	2022-01-19	IA324	Rozy
IN27591	2021-05-18	2022-08-19	IA324	Rozy
IN28591	2021-05-18	2023-08-19	IA324	Rozy
IN29591	2021-05-18	2023-08-19	IA335	Russel
IN39561	2021-05-02	2022-08-01	IA335	Russel
IN49561	2021-05-02	2022-08-01	IA446	Margarate
IN94561	2021-05-07	2022-08-08	IA365	Meredith
IN96561	2021-05-07	2022-08-08	IA365	Meredith

10 rows in set (0.00 sec)

2. Select query to find details transaction details of insured person:

```
mysql> select insured.policy_num, insured_fname, insured_address, transaction_type, transaction_date, type_of_payment from insured join billing on billing.transaction_id=insured.transaction_id;
```

policy_num	insured_fname	insured_address	transaction_type	transaction_date	type_of_payment
12020209	Jack	Hickory Street	New policy	2021-01-21	Agent
13020209	Jane	Melbourne Street	renewal policy	2021-01-21	Agent
14020209	luke	lewisville	endorsement	2021-01-19	Direct
15020209	Melissa	lemon street	endorsement	2021-01-19	Direct
16020209	Mayur	james street	renewal	2022-01-19	agent
16120209	Robby	stella street	audit	2023-01-19	agent
17120209	James	West highland street	audit	2023-01-19	agent
17920209	Brennon	Denver	new policy	2020-05-20	agent
17420209	Steven	Uruguay	renewalpolicy	2021-06-21	direct
17820209	Smith	Bernard	new policy	2021-06-20	agent

10 rows in set (0.01 sec)

3. Select query to find what all claims covered by particular insurer for particular policy number:

```
mysql> select policy_details.policy_num, coverage_type, coverage_description, claim_coverage from policy_details join coverage on coverage.policy_num=policy_details.policy_num join claims on claims.policy_num=policy_details.policy_num;
```

policy_num	coverage_type	coverage_description	claim_coverage
13020209	Car	vehicle insurance	bike
13020209	Car	vehicle insurance	car
12020209	Car	vehicle insurance	car
15020209	bike	vehicle insurance	bike
16020209	building	property insurance	buildings
16120209	home lease	rental insurance	household
17120209	home lease	rental insurance	household
17920209	allpurpose	general insurance	general
17420209	allpurpose	general insurance	general
17820209	health	health insurance	dental

10 rows in set (0.00 sec)

4. select query to find what all policies covered for one particular insured holder and what is the policy period:

```
mysql> select insured_fname, insured.policy_num, coverage_type, policy_eff_date, policy_exp_date, claim_coverage from insured join policy_details on policy_details.policy_num=insured.policy_num join coverage on coverage.policy_num=insured.policy_num join claims on claims.policy_num=insured.policy_num;
```

insured_fname	policy_num	coverage_type	policy_eff_date	policy_exp_date	claim_coverage
Jane	13020209	Car	2021-01-21	2022-01-20	bike
Jane	13020209	Car	2021-01-21	2022-01-20	car
Jack	12020209	Car	2021-01-21	2022-01-20	car
Melissa	15020209	bike	2021-05-18	2022-08-19	bike
Mayur	16020209	building	2021-05-18	2023-08-19	buildings
Robby	16120209	home lease	2021-05-18	2023-08-19	household
James	17120209	home lease	2021-05-02	2022-08-01	household
Brennon	17920209	allpurpose	2021-05-02	2022-08-01	general
Steven	17420209	allpurpose	2021-05-07	2022-08-08	general
Smith	17820209	health	2021-05-07	2022-08-08	dental

10 rows in set (0.00 sec)

5. Select query for finding the details of insured along with agent details and the form details:

```
mysql> select Insured_fname,agent_fname, insured.policy_num, transaction_date,coverage_type, form_type from insured join forms on forms.policy_num=insured.policy_num join billing on billing.policy_num=insured.policy_num join coverage on coverage.policy_num=insured.policy_num join policy_details on policy_details.policy_num=insured.policy_num join agent_details on agent_details.agent_id=policy_details.agent_id;
```

Insured_fname	agent_fname	policy_num	transaction_date	coverage_type	form_type
Jane	Michael	13020209	2021-01-21	Car	Electronic
Jack	Michael	12020209	2021-01-21	Car	paper
luke	Rozy	14020209	2021-01-19	health	paper
luke	Rozy	14020209	2021-01-19	bike	paper
Melissa	Rozy	15020209	2021-01-19	bike	electronic
Mayur	Rozy	16020209	2022-01-19	building	electronic
Robby	Russel	16120209	2023-01-19	home lease	electronic
James	Russel	17120209	2023-01-19	home lease	electronic
Brennon	Margarate	17920209	2020-05-20	allpurpose	paper
Steven	Meredith	17420209	2021-06-21	allpurpose	paper
Smith	Meredith	17820209	2021-06-20	health	electronic

11 rows in set (0.00 sec)