

ASSIGNMENT

B. LIKHITHA

DDL Queries:

```
create database insuredb;  
use insuredb  
  
create table address_details(address_id int primary key,h_no varchar(6),city  
varchar(50),addressline1 varchar(50),state  
varchar(50),pin varchar(50));  
  
create table user_details(user_id int primary key,firstname varchar(50),lastname  
varchar(50),email varchar(50),mobileno  
varchar(50),address_id int references address_details(address_id),dob date);  
  
create table ref_policy_types(policy_type_code varchar(10) primary key,policy_type_name  
varchar(50));  
  
create table policy_sub_types(policy_type_id varchar(10) primary key,policy_type_code  
varchar(10) references  
ref_policy_types(policy_type_code),description varchar(50),yearsofpayements int,amount  
double,maturityperiod  
int,maturityamount double,validity int);  
  
create table user_policies(policy_no varchar(20) primary key,user_id int references  
user_details(user_id),date_registered  
date,policy_type_id varchar(10) references policy_sub_types(policy_type_id));  
  
create table policy_payments(receiptno int primary key,user_id int references  
user_details(user_id),policy_no varchar(20)  
references user_policies(policy_no),dateofpayment date,amount double,fine double);
```

DML QUERIES:

```
insert into address_details values(1,'6-21','hyderabad','kphb','andhrapradesh',1254);  
insert into address_details values(2,'7-81','chennai','seruseri','tamilnadu',16354);  
insert into address_details values(3,'3-71','lucknow','street','uttarpradesh',86451);  
insert into address_details values(4,'4-81','mumbai','iroli','maharashtra',51246);  
insert into address_details values(5,'5-81','bangalore','mgroad','karnataka',125465);
```

```
insert into address_details values(6,'6-81','ahamadabad','street2','gujarat',125423);

insert into address_details values(7,'9-21','chennai','sholinganur','tamilnadu',654286);insert
into user_details values(1111,'raju','reddy','raju@gmail.com','9854261456',4,'1986-4-11');

insert into user_details
values(2222,'vamsi','krishna','vamsi@gmail.com','9854261463',1,'1990-4-11');

insert into user_details
values(3333,'naveen','reddy','naveen@gmail.com','9854261496',4,'1985-3-14');

insert into user_details
values(4444,'raghava','rao','raghava@gmail.com','9854261412',4,'1985-9-21');

insert into user_details
values(5555,'harsha','vardhan','harsha@gmail.com','9854261445',4,'1992-10-11');

insert into ref_policy_types values('58934','car');

insert into ref_policy_types values('58539','home');

insert into ref_policy_types values('58683','life');

insert into policy_sub_types values('6893','58934','theft',1,5000,null,200000,1);

insert into policy_sub_types values('6894','58934','accident',1,20000,null,200000,3);

insert into policy_sub_types values('6895','58539','fire',1,50000,null,500000,3);

insert into policy_sub_types values('6896','58683','anandhlife',7,50000,15,1500000,null);

insert into policy_sub_types values('6897','58683','sukhlife',10,5000,13,300000,null);

insert into user_policies values('689314',1111,'1994-4-18','6896');

insert into user_policies values('689316',1111,'2012-5-18','6895');

insert into user_policies values('689317',1111,'2012-6-20','6894');

insert into user_policies values('689318',2222,'2012-6-21','6894');

insert into user_policies values('689320',3333,'2012-6-18','6894');

insert into user_policies values('689420',4444,'2012-4-09','6896');

insert into policy_payments values(121,4444,'689420','2012-4-09',50000,null);

insert into policy_payments values(345,4444,'689420','2013-4-09',50000,null);insert into
policy_payments values(300,1111,'689317','2012-6-20',20000,null);

insert into policy_payments values(225,1111,'689316','2012-5-18',20000,null);

insert into policy_payments values(227,1111,'689314','1994-4-18',50000,null);
```

```
insert into policy_payments values(100,1111,'689314','1995-4-10',50000,null);  
insert into policy_payments values(128,1111,'689314','1996-4-11',50000,null);  
insert into policy_payments values(96,1111,'689314','1997-4-18',50000,200);  
insert into policy_payments values(101,1111,'689314','1998-4-09',50000,null);  
insert into policy_payments values(105,1111,'689314','1999-4-08',50000,null);  
insert into policy_payments values(120,1111,'689314','2000-4-05',50000,null);  
insert into policy_payments values(367,2222,'689318','2012-6-21',20000,null);  
insert into policy_payments values(298,3333,'689320','2012-6-18',20000,null);
```

Solve the following Queries:

1. Write a query to display the policytypeid,policytypename,description of all the car's policy details.
2. Write a query to display the policytypecode,no of policies in each code with alias name NO_OF_POLICIES.
3. Write a query to display the userid,firstname,lastname, email,mobileno who are residing in Chennai.
4. Write a query to display the userid, firstname lastname with alias name USER_NAME,email,mobileno who has taken the car policies.
5. Write a query to display the userid, firstname, last name who has taken the car policies but not home policies.
6. Write a query to display the policytypecode, policytype name which policytype has maximum no of policies.
7. Write a query to display the userid, firtsname, lastname, city state whose city is ending with 'bad'.
8. Write a query to display the userid, firstname, lastname ,ploicyno, dateregistered who has registered before may 2012.

9. Write a query to display the userid, firstname, lastname who has taken more than one policies.

10. Write a query to display the policytypecode, policytypename, policytypeid, userid, ploicyno

whose maturity will fall in the month of august 2013.

11. Write a query to display the policytypecode, policytypename, policytypeid whose maturity

amount is the double than the total paid amount.12. Write a query to display the userid, total amount paid by the customer with alias name

total_amount.

13. Write a query to display the user_id, policy_no, total amount paid by the customer for the each

policies.

14. Write a query to display the user_id, policy_no, balance_amount for each policies.

15. write a query to display the user_id,policy_no, balancepayment years with alias name

BALANCE_YEARS for all the customer for each policies.

16. Write a query to display the user details userid,firstname,last who has taken car, home and life

loans.

17. Write a query to select policy_type_code,total amount paid by all the customers with alias

name total_amount for each policy department.

18. Write a query to select user_id,user_name,policy_type_code,policy_type_id of users who has

registered more than one policy type unde same policy code.

19. Write a query to display the policy_type_code,policytype name in which policy department has

min number of policies registered.

20. Write a query to display the user_id,user_name, address,phoneno,policytypecode,policytypeid,policytypename, who has complemented all payments for the policies.

21. write a query to display the user_id, user_name, address,phoneno,policytypecode,policytypeid,policytypename,date ofd register who has registered latest 2.

```
MySQL 8.0 Command Line Cli  X  +  ▾

Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.44 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE insurancedb;
Database changed
mysql> CREATE TABLE address_details(
    ->     address_id INT PRIMARY KEY,
    ->     h_no VARCHAR(6),
    ->     city VARCHAR(50),
    ->     addressline1 VARCHAR(50),
    ->     state VARCHAR(50),
    ->     pin VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.18 sec)

mysql> CREATE TABLE user_details(
    ->     user_id INT PRIMARY KEY,
    ->     firstname VARCHAR(50),
    ->     lastname VARCHAR(50),
    ->     email VARCHAR(50),
    ->     mobileno VARCHAR(50),
    ->     address_id INT,
    ->     dob DATE,
    ->     FOREIGN KEY (address_id) REFERENCES address_details(address_id)
    -> );
Query OK, 0 rows affected (0.14 sec)

mysql> CREATE TABLE ref_policy_types(
    ->     policy_type_code VARCHAR(10) PRIMARY KEY,
    ->     policy_type_name VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE TABLE policy_sub_types(
    ->     policy_type_id VARCHAR(10) PRIMARY KEY,
    ->     policy_type_code VARCHAR(10),
    ->     description VARCHAR(50),
    ->     yearsofpayements INT,
    ->     amount DOUBLE,
    ->     maturityperiod INT,
    ->     maturityamount DOUBLE,
    ->     validity INT,
    ->     FOREIGN KEY(policy_type_code) REFERENCES ref_policy_types(policy_type_code)
    -> );
Query OK, 0 rows affected (0.54 sec)
```

```
MySQL 8.0 Command Line Cli  X  +  ▾
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```
mysql> CREATE TABLE user_policies(
->     policy_no VARCHAR(20) PRIMARY KEY,
->     user_id INT,
->     date_registered DATE,
->     policy_type_id VARCHAR(10),
->     FOREIGN KEY(user_id) REFERENCES user_details(user_id),
->     FOREIGN KEY(policy_type_id) REFERENCES policy_sub_types(policy_type_id)
-> );
Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE policy_payments(
->     recipeno INT PRIMARY KEY,
->     user_id INT,
->     policy_no VARCHAR(20),
->     dateofpayment DATE,
->     amount DOUBLE,
->     fine DOUBLE,
->     FOREIGN KEY(user_id) REFERENCES user_details(user_id),
->     FOREIGN KEY(policy_no) REFERENCES user_policies(policy_no)
-> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO address_details VALUES
-> (1,'6-21','hyderabad','kphb','andhrapradesh',1254),
-> (2,'7-81','chennai','seruseri','tamilnadu',16354),
-> (3,'3-71','lucknow','street','uttarpradesh',86451),
-> (4,'4-81','mumbai','iroli','maharashtra',51246),
-> (5,'5-81','bangalore','mgroad','karnataka',125465),
-> (6,'6-81','ahamadabad','street2','gujarat',125423),
-> (7,'9-21','chennai','sholinganur','tamilnadu',654286);
Query OK, 7 rows affected (0.02 sec)
Records: 7  Duplicates: 0  Warnings: 0

mysql> INSERT INTO user_details VALUES
-> (1111,'raju','reddy','raju@gmail.com','9854261456',4,'1986-4-11'),
-> (2222,'vamsi','krishna','vamsi@gmail.com','9854261463',1,'1990-4-11'),
-> (3333,'naveen','reddy','naveen@gmail.com','9854261496',4,'1985-3-14'),
-> (4444,'raghava','rao','raghava@gmail.com','9854261412',4,'1985-9-21'),
-> (5555,'harsha','vardhan','harsha@gmail.com','9854261445',4,'1992-10-11');
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql> INSERT INTO ref_policy_types VALUES
-> ('58934','car'),
-> ('58539','home'),
-> ('58683','life');
Query OK, 3 rows affected (0.01 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> INSERT INTO policy_sub_types VALUES
-> ('6893','58934','theft',1,5000,NULL,200000,1),
-> ('6894','58934','accident',1,20000,NULL,200000,3),
-> ('6895','58539','fire',1,50000,NULL,500000,3),
-> ('6896','58683','anandhlife',7,50000,15,1500000,NULL),
-> ('6897','58683','sukhlife',10,5000,13,300000,NULL);
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
MySQL 8.0 Command Line Cli  X  +  ▾

mysql> INSERT INTO user_policies VALUES
-> ('689314',1111,'1994-4-18','6896'),
-> ('689316',1111,'2012-5-18','6895'),
-> ('689317',1111,'2012-6-20','6894'),
-> ('689318',2222,'2012-6-21','6894'),
-> ('689320',3333,'2012-6-18','6894'),
-> ('689420',4444,'2012-4-09','6896');
Query OK, 6 rows affected (0.01 sec)
Records: 6  Duplicates: 0  Warnings: 0

mysql> INSERT INTO policy_payments VALUES
-> (121,4444,'689420','2012-4-09',50000,NULL),
-> (345,4444,'689420','2013-4-09',50000,NULL),
-> (300,1111,'689317','2012-6-20',20000,NULL),
-> (225,1111,'689316','2012-5-18',20000,NULL),
-> (227,1111,'689314','1994-4-18',50000,NULL),
-> (100,1111,'689314','1995-4-10',50000,NULL),
-> (128,1111,'689314','1996-4-11',50000,NULL),
-> (96,1111,'689314','1997-4-18',50000,200),
-> (101,1111,'689314','1998-4-09',50000,NULL),
-> (105,1111,'689314','1999-4-08',50000,NULL),
-> (120,1111,'689314','2000-4-05',50000,NULL),
-> (367,2222,'689318','2012-6-21',20000,NULL),
-> (298,3333,'689320','2012-6-18',20000,NULL);
Query OK, 13 rows affected (0.01 sec)
Records: 13  Duplicates: 0  Warnings: 0

mysql> SELECT pst.policy_type_id, rpt.policy_type_name, pst.description
-> FROM policy_sub_types pst
-> JOIN ref_policy_types rpt
-> ON pst.policy_type_code = rpt.policy_type_code
-> WHERE rpt.policy_type_name = 'car';
+-----+-----+-----+
| policy_type_id | policy_type_name | description |
+-----+-----+-----+
| 6893           | car             | theft        |
| 6894           | car             | accident     |
+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> SELECT policy_type_code, COUNT(*) AS NO_OF_POLICIES
-> FROM policy_sub_types
-> GROUP BY policy_type_code;
+-----+-----+
| policy_type_code | NO_OF_POLICIES |
+-----+-----+
| 58539          | 1              |
| 58683          | 2              |
| 58934          | 2              |
+-----+-----+
3 rows in set (0.01 sec)

mysql> SELECT ud.user_id, ud.firstname, ud.lastname, ud.email, ud.mobilenos
-> FROM user_details ud
-> JOIN address_details ad ON ud.address_id = ad.address_id
-> WHERE ad.city = 'chennai';
Empty set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli  X  +  ▾

mysql> SELECT DISTINCT ud.user_id, CONCAT(ud.firstname, ' ', ud.lastname) AS USER_NAME,
->      ud.email, ud.mobileno
->  FROM user_details ud
->  JOIN user_policies up ON up.user_id = ud.user_id
->  JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
->  JOIN ref_policy_types rpt ON pst.policy_type_code = rpt.policy_type_code
->  WHERE rpt.policy_type_name = 'car';
+-----+-----+-----+
| user_id | USER_NAME | email        | mobileno   |
+-----+-----+-----+
| 1111    | raju reddy  | raju@gmail.com | 9854261456 |
| 2222    | vamsi krishna | vamsi@gmail.com | 9854261463 |
| 3333    | naveen reddy  | naveen@gmail.com | 9854261496 |
+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> SELECT DISTINCT ud.user_id, ud.firstname, ud.lastname
->  FROM user_details ud
->  JOIN user_policies up ON up.user_id = ud.user_id
->  JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
->  JOIN ref_policy_types rpt ON pst.policy_type_code = rpt.policy_type_code
->  WHERE rpt.policy_type_name = 'car'
->  AND ud.user_id NOT IN (
->    SELECT ud2.user_id
->    FROM user_details ud2
->    JOIN user_policies up2 ON up2.user_id = ud2.user_id
->    JOIN policy_sub_types pst2 ON up2.policy_type_id = pst2.policy_type_id
->    JOIN ref_policy_types rpt2 ON pst2.policy_type_code = rpt2.policy_type_code
->    WHERE rpt2.policy_type_name = 'home'
->  );
+-----+-----+-----+
| user_id | firstname | lastname |
+-----+-----+-----+
| 2222    | vamsi     | krishna  |
| 3333    | naveen    | reddy    |
+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> SELECT rpt.policy_type_code, rpt.policy_type_name
->  FROM ref_policy_types rpt
->  JOIN policy_sub_types pst ON rpt.policy_type_code = pst.policy_type_code
->  GROUP BY rpt.policy_type_code
->  ORDER BY COUNT(*) DESC
->  LIMIT 1;
+-----+-----+
| policy_type_code | policy_type_name |
+-----+-----+
| 58683           | life            |
+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT ud.user_id, ud.firstname, ud.lastname, ad.city, ad.state
->  FROM user_details ud
->  JOIN address_details ad ON ud.address_id = ad.address_id
->  WHERE ad.city LIKE '%bad';
+-----+-----+-----+-----+-----+
| user_id | firstname | lastname | city       | state      |
+-----+-----+-----+-----+-----+
| 2222    | vamsi     | krishna  | hyderabad | andhrapradesh |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli  X  +  ▾

mysql> SELECT ud.user_id, ud.firstname, ud.lastname, up.policy_no, up.date_registered
    -> FROM user_details ud
    -> JOIN user_policies up ON ud.user_id = up.user_id
    -> WHERE up.date_registered < '2012-05-01';
+-----+-----+-----+-----+
| user_id | firstname | lastname | policy_no | date_registered |
+-----+-----+-----+-----+
| 1111 | raju | reddy | 689314 | 1994-04-18 |
| 4444 | raghava | rao | 689420 | 2012-04-09 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT ud.user_id, ud.firstname, ud.lastname
    -> FROM user_details ud
    -> JOIN user_policies up ON ud.user_id = up.user_id
    -> GROUP BY ud.user_id
    -> HAVING COUNT(up.policy_no) > 1;
+-----+
| user_id | firstname | lastname |
+-----+
| 1111 | raju | reddy |
+-----+
1 row in set (0.00 sec)

mysql> SELECT rpt.policy_type_code, rpt.policy_type_name, pst.policy_type_id, up.user_id, up.policy_no
    -> FROM user_policies up
    -> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
    -> JOIN ref_policy_types rpt ON pst.policy_type_code = rpt.policy_type_code
    -> WHERE MONTH(DATE_ADD(up.date_registered, INTERVAL pst.maturityperiod YEAR)) = 8
    -> AND YEAR(DATE_ADD(up.date_registered, INTERVAL pst.maturityperiod YEAR)) = 2013;
Empty set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli  X  +  ▾

mysql> DESCRIBE policy_sub_types;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| policy_type_id | varchar(10) | NO | PRI | NULL |
| policy_type_code | varchar(10) | YES | MUL | NULL |
| description | varchar(50) | YES | | NULL |
| yearsofpayements | int | YES | | NULL |
| amount | double | YES | | NULL |
| maturityperiod | int | YES | | NULL |
| maturityamount | double | YES | | NULL |
| validity | int | YES | | NULL |
+-----+-----+-----+-----+-----+
8 rows in set (0.05 sec)
```

```
MySQL 8.0 Command Line Cli + ▾

mysql> SELECT
    ->     pst.policy_type_code,
    ->     rpt.policy_type_name,
    ->     pst.policy_type_id
    -> FROM policy_sub_types pst
    -> JOIN ref_policy_types rpt
    ->     ON pst.policy_type_code = rpt.policy_type_code
    -> JOIN user_policies up
    ->     ON up.policy_type_id = pst.policy_type_id
    -> JOIN policy_payments pp
    ->     ON pp.policy_no = up.policy_no
    -> GROUP BY
    ->     pst.policy_type_code,
    ->     pst.policy_type_id,
    ->     rpt.policy_type_name,
    ->     pst.maturityamount
    -> HAVING
    ->     maturityamount = 2 * SUM(pp.amount);
Empty set (0.00 sec)

mysql> SELECT user_id, SUM(amount) AS total_amount
    -> FROM policy_payments
    -> GROUP BY user_id;
+-----+-----+
| user_id | total_amount |
+-----+-----+
| 1111    |      390000 |
| 2222    |      20000  |
| 3333    |      20000  |
| 4444    |      100000 |
+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT user_id, policy_no, SUM(amount) AS total_amount
    -> FROM policy_payments
    -> GROUP BY policy_no, user_id;
+-----+-----+-----+
| user_id | policy_no | total_amount |
+-----+-----+-----+
| 1111   | 689314   |      350000 |
| 4444   | 689420   |      100000 |
| 1111   | 689316   |      20000  |
| 3333   | 689320   |      20000  |
| 1111   | 689317   |      20000  |
| 2222   | 689318   |      20000  |
+-----+-----+-----+
6 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli  X  +  ▾

mysql> SELECT up.user_id, up.policy_no,
    ->     pst.maturityamount - SUM(pp.amount) AS balance_amount
    -> FROM user_policies up
    -> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
    -> JOIN policy_payments pp ON up.policy_no = pp.policy_no
    -> GROUP BY up.policy_no;
+-----+-----+
| user_id | policy_no | balance_amount |
+-----+-----+
| 1111   | 689314   |      1150000 |
| 1111   | 689316   |      480000  |
| 1111   | 689317   |      180000  |
| 2222   | 689318   |      180000  |
| 3333   | 689320   |      180000  |
| 4444   | 689420   |      1400000 |
+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT up.user_id, up.policy_no,
    ->     pst.maturityperiod - COUNT(pp.receipno) AS BALANCE_YEARS
    -> FROM user_policies up
    -> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
    -> JOIN policy_payments pp ON up.policy_no = pp.policy_no
    -> GROUP BY up.policy_no;
+-----+-----+
| user_id | policy_no | BALANCE_YEARS |
+-----+-----+
| 1111   | 689314   |          8  |
| 1111   | 689316   |        NULL |
| 1111   | 689317   |        NULL |
| 2222   | 689318   |        NULL |
| 3333   | 689320   |        NULL |
| 4444   | 689420   |         13 |
+-----+-----+
6 rows in set (0.00 sec)

mysql> SELECT ud.user_id, ud.firstname, ud.lastname
    -> FROM user_details ud
    -> JOIN user_policies up ON ud.user_id = up.user_id
    -> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
    -> JOIN ref_policy_types rpt ON pst.policy_type_code = rpt.policy_type_code
    -> GROUP BY ud.user_id
    -> HAVING SUM(rpt.policy_type_name='car') > 0
    -> AND SUM(rpt.policy_type_name='home') > 0
    -> AND SUM(rpt.policy_type_name='life') > 0;
+-----+-----+
| user_id | firstname | lastname  |
+-----+-----+
| 1111   | raju     | reddy     |
+-----+-----+
1 row in set (0.02 sec)
```

```
MySQL 8.0 Command Line Cli  X  +  ▾

mysql> SELECT pst.policy_type_code, SUM(pp.amount) AS total_amount
    -> FROM policy_payments pp
    -> JOIN user_policies up ON pp.policy_no = up.policy_no
    -> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
    -> GROUP BY pst.policy_type_code;
+-----+-----+
| policy_type_code | total_amount |
+-----+-----+
| 58934           |      60000 |
| 58539           |      20000 |
| 58683           |    450000 |
+-----+-----+
3 rows in set (0.00 sec)
```

```
MySQL 8.0 Command Line Cli + ▾

mysql> SELECT
->     ud.user_id,
->     CONCAT(ud.firstname, ' ', ud.lastname) AS user_name,
->     pst.policy_type_code
-> FROM user_details ud
-> JOIN user_policies up ON ud.user_id = up.user_id
-> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
-> GROUP BY
->     ud.user_id,
->     user_name,
->     pst.policy_type_code
-> HAVING
->     COUNT(DISTINCT pst.policy_type_id) > 1;
Empty set (0.01 sec)

mysql> SELECT rpt.policy_type_code, rpt.policy_type_name
-> FROM ref_policy_types rpt
-> JOIN policy_sub_types pst ON rpt.policy_type_code = pst.policy_type_code
-> GROUP BY rpt.policy_type_code
-> ORDER BY COUNT(*) ASC
-> LIMIT 1;
+-----+-----+
| policy_type_code | policy_type_name |
+-----+-----+
| 58539           | home            |
+-----+-----+
1 row in set (0.01 sec)
```

```
MySQL 8.0 Command Line Cli + ▾

mysql> SELECT
->     ud.user_id,
->     CONCAT(ud.firstname, ' ', ud.lastname) AS user_name,
->     ad.addressline1,
->     ud.mobileno,
->     rpt.policy_type_code,
->     pst.policy_type_id,
->     rpt.policy_type_name,
->     pst.maturityamount,
->     SUM(pp.amount) AS total_paid
-> FROM user_details ud
-> JOIN address_details ad ON ud.address_id = ad.address_id
-> JOIN user_policies up ON ud.user_id = up.user_id
-> JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
-> JOIN ref_policy_types rpt ON pst.policy_type_code = rpt.policy_type_code
-> JOIN policy_payments pp ON up.policy_no = pp.policy_no
-> GROUP BY
->     ud.user_id,
->     user_name,
->     ad.addressline1,
->     ud.mobileno,
->     rpt.policy_type_code,
->     pst.policy_type_id,
->     rpt.policy_type_name,
->     pst.maturityamount
-> HAVING
->     maturityamount = total_paid;
Empty set (0.00 sec)

mysql> SELECT ud.user_id, CONCAT(ud.firstname, ' ', ud.lastname) AS user_name,
->         ad.addressline1, ud.mobileno,
->         pst.policy_type_code, pst.policy_type_id, rpt.policy_type_name,
->         up.date_registered
->     FROM user_details ud
->     JOIN address_details ad ON ud.address_id = ad.address_id
->     JOIN user_policies up ON ud.user_id = up.user_id
->     JOIN policy_sub_types pst ON up.policy_type_id = pst.policy_type_id
->     JOIN ref_policy_types rpt ON pst.policy_type_code = rpt.policy_type_code
->     ORDER BY up.date_registered DESC
->     LIMIT 2;
+-----+-----+-----+-----+-----+-----+-----+
| user_id | user_name | addressline1 | mobileno | policy_type_code | policy_type_id | policy_type_name | date_registered |
+-----+-----+-----+-----+-----+-----+-----+
| 2222 | vamsi krishna | kphb | 9854261463 | 58934 | 6894 | car | 2012-06-21 |
| 1111 | raju reddy | iroli | 9854261456 | 58934 | 6894 | car | 2012-06-20 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```