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Theory & Lab section: 09

 select customer_name, loan.loan_number from ((customer inner join borrower on customer_id=borrower.customer_id)inner join loan on loan.loan_number=borrower.loan_number)where branch_name='Downtown';

 Select c1.customer_name as Customer1, c2.customer_name as Customer2, c1.customer_city as city from customer c1 join customer c2 ON c1.customer_city = c2.customer_city where c1.customer_id < c2.customer_id;

3. Select branch_name as Branch_name,sum(balance * 0.04) as Totalinterest from account group by branch_name;

```
MariaDB [Bank]> Select branch_name as Branch_name,sum(balance * 0.04) as Totalinterest from account group by branch_name;

| Branch_name | Totalinterest |
| Brighton | 66.00 |
| Downtown | 20.00 |
| Mianus | 28.00 |
| Perryridge | 16.00 |
| Redwood | 28.00 |
| Round Hill | 14.00 |
| totalinterest from account group by branch_name;

| Branch_name | Totalinterest |
| Brighton | 66.00 |
| Brighton | 66.00 |
| Round | 10.00 |
```

4. Select customer_city, account_number, balance from account a join (Select customer_city, MAX(balance) as max_balance from account join depositor on account.account_number = depositor.account_number join customer on depositor.customer_id = customer.customer_id group by customer_city) b on a.balance = b.max_balance and a.branch_name = (select branch_name from account a2 where a2.account_number = a.account_number) order by customer_city;

```
MariaDB [Bank]> Select customer_city, account_number, balance from account a join (Select customer_city, MAX(balance) as max_balance from account_join depositor on account_number = depositor.account_number join customer on depositor.customer_id = customer.customer_id group by customer_city) b on a.balance = b.max_balance and a.branch_name = (select b ranch_name from account a2 where a2.account_number = a.account_number) order by customer_city;
  customer_city | account_number | balance
   Harrison
                                     A-217
  Palo Alto
                                                                                  900
  Pittsfield
                                     A-222
                                                                                  700
  Pittsfield
                                                                                  700
                                    A-222
                                                                                  700
  Rye
                                     A-215
  Rye
                                                                                  700
  Stamford
                                     A-305
                                                                                  350
   rows in set (0.005 sec)
```

 Select I.loan_number, I.amount, c.customer_name From loan I join borrower b on I.loan_number = b.loan_number join customer c ON b.customer_id = c.customer_id order by I.amount desc, I.loan_number desc LIMIT 5;

SELECT c.customer_name FROM customer c JOIN depositor d ON
 c.customer_id = d.customer_id JOIN account a ON d.account_number =
 a.account_number JOIN borrower b ON c.customer_id = b.customer_id JOIN
 loan I ON b.loan_number = I.loan_number AND I.branch_name = 'Perryridge';

SELECT c.customer_name, SUM(I.amount) AS total_loan FROM customer c
 JOIN borrower b ON c.customer_id = b.customer_id JOIN loan I ON
 b.loan_number = I.loan_number group by c.customer_id HAVING
 COUNT(b.loan_number) >= 2;