SELECT c.customer_name, b.loan_number FROM customer c INNER JOIN borrower b ON c.customer_id = b.customer_id INNER JOIN loan I ON b.loan_number = I.loan_number WHERE I.branch_name = "Downtown";

 SELECT DISTINCT c1.customer_name AS Customer1, c2.customer_name AS Customer2, c1.customer_city AS City FROM customer c1, customer c2 WHERE c1.customer_city = c2.customer_city AND c1.customer_id < c2.customer_id;

 SELECT branch_name, SUM(balance * 0.04) AS Total_Interest FROM account GROUP BY branch_name;

```
mysql> SELECT branch_name, SUM(balance * 0.04) AS Total_Interest
    -> FROM account
    -> GROUP BY branch_name;
 branch_name | Total_Interest
 Downtown
                         20.00
 Perryridge
                         16.00
 Brighton
                         66.00
 Mianus
                         28.00
 Redwood
                         28.00
  Round Hill
                         14.00
6 rows in set (0.01 sec)
```

```
4. SELECT A.account_number, A.balance, B.branch_city
FROM account A
JOIN branch B ON A.branch_name = B.branch_name
WHERE balance IN (
SELECT MAX(balance)
FROM account A
JOIN branch B ON A.branch_name = B.branch_name
GROUP BY B.branch_city
);
```

```
mysql> SELECT A.account_number, A.balance, B.branch_city
    -> FROM account A
    -> JOIN branch B ON A.branch_name = B.branch_name
    -> WHERE balance IN (
           SELECT MAX(balance)
           FROM account A
           JOIN branch B ON A.branch_name = B.branch_name
           GROUP BY B.branch_city
    ->
    -> );
  account_number | balance |
                             branch_city
  A-201
                       900 |
                             Brooklyn
  A-215
                       700 |
                             Horseneck
  A-222
                       700 | Palo Alto
3 rows in set (0.00 sec)
```

 SELECT I.loan_number, I.amount, c.customer_name FROM loan I, borrower b, customer c WHERE I.loan_number = b.loan_number AND b.customer_id = c.customer_id ORDER BY I.amount DESC, I.loan_number DESC LIMIT 5;

```
mysql> SELECT 1.loan_number, 1.amount, c.customer_name
    -> FROM loan 1, borrower b, customer c
    -> WHERE 1.loan_number = b.loan_number
    -> AND b.customer_id = c.customer_id
    -> ORDER BY 1.amount DESC, 1.loan_number DESC
 loan_number | amount | customer_name
  L-23
                  2000 l
                         Smith
 L-15
                  1500 | Hayes
                         Johnson
  L-14
                  1500 l
  L-16
                  1300
                         Adams
  L-17
                  1000 | Jones
 rows in set (0.01 sec)
```

6. SELECT DISTINCT c.customer_name FROM customer c, depositor d, loan I WHERE c.customer_id = d.customer_id AND d.account_number IN (SELECT account_number FROM account WHERE branch_name = 'Perryridge') AND c.customer_id IN (SELECT customer_id FROM borrower WHERE loan_number IN (SELECT loan_number FROM loan WHERE branch_name = 'Perryridge'));

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