# TASk1

```
SELECT c.customer_name, l.loan_number FROM ((customer as c inner join borrower as b on c.customer_id = b.customer_id) inner join loan as l on l.loan_number = b.loan_number)

WHERE l.branch name = 'Downtown';
```

SELECT c1.customer\_name as Customers1, c2.customer\_name as Customer2, -> c1.customer\_city as City FROM customer as c1 inner join customer as c2 on -> c1.customer\_city = c2.customer\_city and c1.customer\_id < c2.customer\_id -> ORDER BY c1.customer\_name, c2.customer\_name, c1.customer\_city;

```
MariaDB [Bank_22201660]> SELECT c1.customer_name as Customers1, c2.customer_name as Customer2, c1.custome
    -> as City FROM customer as c1 inner join customer as c2 on
   -> c1.customer_city = c2.customer_city and c1.customer_id < c2.customer_id
    -> ORDER BY c1.customer_name, c2.customer_name, c1.customer_city;
 Customers1 | Customer2 | City
                           Harrison
 Jones
              Hayes
                           Pittsfield
 Lindsay
              Adams
 Smith
              Curry
                           Rye
 Turner
              Green
                          Stamford
 rows in set (0.002 sec)
```

### Task3

SELECT a.branch\_name, sum(a.balance \* 0.04) as Total\_Interest FROM account -> as a GROUP BY a.branch\_name;

SELECT c.customer city, MAX(a.balance) as max balance, a.account number

- -> FROM ((customer as c inner join depositor as d on c.customer id =
- -> d.customer id)inner join account as a on a.account number =
- -> d.account\_number) GROUP BY c.customer\_city;

SELECT loan number, loan amount, customer name FROM (SELECT

- -> 1.loan number, 1.amount as loan amount, c.customer name
- -> FROM ((loan as 1 inner join borrower as b on 1.loan number = b.loan number)
- -> inner join customer as c on c.customer id = b.customer id) ORDER BY
- -> l.amount DESC, l.loan number desc limit 5) as top loans ORDER BY
- -> loan amount asc, loan number DESC;

```
lariaDB [Bank_22201660]> SELECT loan_number, loan_amount, customer_name FROM (SELECT l.loan_number, l.amount as loan_amount, c.customer_name
   -> FROM ((loan as l inner join borrower as b on l.loan_number = b.loan_number) inner join customer as c
-> on c.customer_id = b.customer_id) ORDER BY l.amount DESC, l.loan_number desc limit 5) as top_loans
-> ORDER BY loan_amount asc, loan_number DESC;
 loan_number | loan_amount | customer_name
                              1000
                                        Jones
 L-16
                              1300
                                        Adams
 L-15
                              1500
                                        Hayes
 L-14
                              1500
                                        Johnson
                                      Smith
 1-23
                              2000
 rows in set (0.001 sec)
```

SELECT c.customer name FROM ((customer as c inner join depositor as d on

- -> c.customer id = d.customer id) inner join account as a on
- -> d.account number = a.account number)WHERE a.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(l.amount) as total loan FROM ((customer as c

- -> inner join borrower as b
- -> on c.customer id = b.customer id) inner join loan as 1 on b.loan number =
- -> l.loan\_number) GROUP BY c.customer\_id having count(l.loan\_number) >= 2;