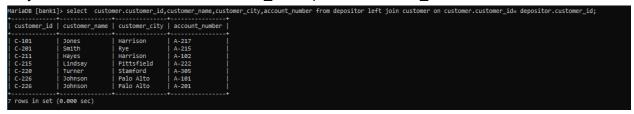
select customer_id,customer_name,customer_city,account_number from depositor inner join customer on customer.customer_id= depositor.customer_id;



select customer_id,customer_name,customer_city,account_number from depositor left join customer on customer.customer id= depositor.customer id;



select customer_id,customer_name,customer_city,account_number from customer left join depositor on customer.customer_id= depositor.customer_id;



select customer_name,customer_city,account.account_number,balance,branch_name from ((depositor inner join customer on depositor.customer_id=customer.customer_id) inner join account on depositor.account_number=account.account_number);



select customer_name,borrower.loan_number from borrower inner join loan on borrower.loan_number=loan.loan_number and loan.branch_name='Down town' inner join customer on borrower.customer_id= customer.customer_id;

Assignment03.

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

2. select c1.customer_name as Customer1,c2.customer_name as Customer2,c1.customer_city as City from customer c1 inner join customer c2 on c1.customer_city=c2.customer_city and c1.customer_id<c2.customer_id;

3. select branch_name as Branch_name,sum(balance*4/100) as Total_Interest from account group by branch_name;

```
MariaDB [assignment03]> select branch_name as Branch_name,sum(balance*4/100) as Total_Interest from account group by branch_name;

| Branch_name | Total_Interest |
| Brighton | 66.0000 |
| Downtown | 20.0000 |
| Mianus | 28.0000 |
| Perryridge | 16.0000 |
| Redwood | 28.0000 |
| Round Hill | 14.0000 |
| Total_Interest from account group by branch_name;
```

4. select a.account_number,c.customer_city from ((customer c inner join depositor d on c.customer_id=d.customer_id) inner join account a on a.account_number=d.account_number) where balance=(select max(balance) from (account a1 inner join depositor d1 on a1.account_number=d1.account_number)inner join customer c1 on c1.customer_id=d1.customer_id where c.customer_city=c1.customer_city);

5.

Select loan.loan_number,amount,customer_name from ((borrower inner join loan on loan.loan_number=borrower.loan_number)inner join customer on customer_id=borrower.customer_id)order by amount asc,loan.loan_number desc limit 5;

6.

select distinct customer_name from ((((borrower inner join customer on customer.customer_id=borrower.customer_id) inner join loan on loan.loan_number=borrower.loan_number)inner join depositor on depositor.customer_id=borrower.customer_id)inner join account on depositor.account_number=account.account_number) where loan.branch_name='Perryridge';

7.

select customer_name,sum(amount) as total_amount from((customer inner join borrower on customer_id=borrower.customer_id)inner join loan on borrower.loan_number=loan.loan_number) group by borrower.customer_id having count(*)>=2;

Task 06

1.select customer_name,customer_city from ((customer inner join borrower on customer.customer_id=borrower.customer_id)inner join loan on borrower.loan number=loan.loan number) where loan.branch name='Perryridge';

2.select account.account number from(((account inner ioin depositor on account.account number=depositor.account number)inner join borrower on borrower.customer id=depositor.customer id)inner join loan on borrower.loan_number=loan.loan_number) where account.balance between 700 and 900;

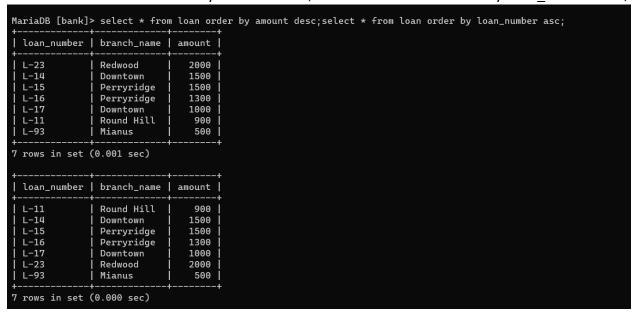
3.select customer_name from customer where customer_street like '%Hill';

4. select branch_name from branch where assets>any(select assets from branch where branch city='Brooklyn');

5.select branch_name from branch where assets>all(select assets from branch where branch_city='Horseneck');

6.select customer_name from ((customer inner join depositor on customer.customer_id=depositor.customer_id)inner join account on account.account_number=depositor.account_number) where account.branch_name='Brighton' order by customer name asc;

7. select * from loan order by amount desc; select * from loan order by loan number asc;



8.select branch name from ((account inner join depositor on account.account number=depositor.account number)inner join customer on customer.customer id=depositor.customer id) by branch name having avg(balance)>=700;

9.select customer_name,account.account_number from ((customer inner join depositor on customer.customer_id=depositor.customer_id) inner join account on account_number=depositor.account_number) order by balance desc limit 3;

Task 07

1. select distinct customer_name from ((customer inner join depositor on customer.customer_id=depositor.customer_id)inner join account on account.account_number=depositor.account_number) where branch_name in (select branch_name from ((account inner join depositor on depositor.account_number=account.account_number)inner join customer on customer_id=depositor.customer_id) where customer.customer_name='Johnson');

2. select customer_name from ((customer inner join depositor on customer.customer_id=depositor.customer_id)inner join account on depositor.account_number=account.account_number)where branch_name='Mianus' and customer.customer_id not in (select customer_id from borrower where loan_number in (select loan_number from loan where branch_name='Mianus'));

3.select branch_name,count(customer.customer_id) as number_of_customer from((customer inner join depositor on customer.customer_id=depositor.customer_id)inner join account on depositor.account number=account.account number) group by branch name;

```
MariaDB [bank]> select branch_name_count(customer.customer_id) as number_of_customer from((customer inner join depositor on customer.customer_id=depositor.customer_id)inner join account on depositor.account_number=account_number) group by branch_name;

| branch_name | number_of_customer |
| branch_name | number_of_customer |
| Brighton | 2 |
| Downtown | 1 |
| Mianus | 1 |
| Perryridge | 1 |
| Redwood | 1 |
| Redwood | 1 |
| Round Hill | 1 |
| Forus in set (0.001 sec)
```

4.select avg(balance) from((account inner join depositor on account_account_number) inner join customer on customer.customer_id=depositor.customer_id) where customer_city='Palo Alto' group by customer.customer id having count(account.account number)>=2;

5. select customer_name,account_number from(select customer_name,account.account_number,row_number()over (order by balance desc) as rownum from ((customer inner join depositor on customer_id=depositor.customer_id)inner join account on account.account_number=depositor.account_number)) as result where rownum=3;