# CSE370 Lab Homework:04

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Section: 08

## #Task 01

#### **Command:**

```
select customer.customer_name,loan.loan_number from customer,loan,borrower where
-> customer.customer_id=borrower.customer_id and
borrower.loan_number=loan.loan_number and
-> loan.branch name = "Downtown";
```

#### **Screenshot:**

# #Task\_02

#### **Command:**

```
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
and
   -> c1.customer_id < c2.customer_id;</pre>
```

# #Task\_03

#### **Command:**

```
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
and
```

-> c1.customer id < c2.customer id;

#### **Screenshot:**

# #Task\_04

#### **Command:**

select branch\_name, sum(balance \* 0.04) as Total\_Interest from account group by branch name;

## #Task 05

#### **Command:**

```
-> SELECT loan.loan_number, amount, customer_name
-> FROM loan
-> INNER JOIN borrower ON loan.loan_number = borrower.loan_number
-> INNER JOIN customer ON customer.customer_id = borrower.customer_id
-> ORDER BY amount DESC
-> LIMIT 5
->)
->
-> SELECT *
-> FROM TopLoanRecords
```

-> ORDER BY amount, loan number DESC;

## #Task 06

## **Command:**

select distinct c.customer\_name from customer c inner join depositor d on c.customer\_id =

- -> d.customer\_id inner join account a on d.account\_number = a.account\_number inner join
  - -> borrower b on c.customer id = b.customer id inner join loan l on b.loan number =
- -> l.loan\_number and l.branch\_name = a.branch\_name where a.branch\_name = 'Perryridge';

# #Task\_07

#### **Command:**

select c.customer\_name, count(\*) as number\_of\_loans, sum(l.amount) as total\_loan from
-> customer c join borrower b on c.customer\_id = b.customer\_id join loan l on b.loan\_number
-

- -> 1.loan number where c.customer id in ( select b2.customer id from borrower b2 group by
- $\rightarrow$  b2.customer id having count(\*)  $\geq$  2) group by c.customer id order by total loan desc;