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Sec: 03

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lab:04

Task1)

```
SELECT c.customer_name, l.loan_number FROM ((customer c INNER JOIN  
borrower b ON c.customer_id = b.customer_id ) INNER JOIN loan l ON  
b.loan_number = l.loan_number) WHERE l.branch_name = 'Downtown';
```

customer_name	loan_number
Johnson	L-14
Jones	L-17
Williams	L-17

Task2)

```
SELECT c1.customer_name AS Customer1, c2.customer_name AS Customer2,  
c1.customer_city FROM customer c1 INNER JOIN customer c2 ON c1.customer_city  
= c2.customer_city WHERE c1.customer_id != c2.customer_id;
```

Customer1	Customer2	customer_city
Hayes	Jones	Harrison
Curry	Smith	Rye
Jones	Hayes	Harrison
Smith	Curry	Rye
Adams	Lindsay	Pittsfield
Green	Turner	Stamford
Lindsay	Adams	Pittsfield
Turner	Green	Stamford

Task3)

```
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

Task4)

```
SELECT b.branch_city, a.Account_Number FROM branch b , account a, (SELECT
b.branch_city, MAX(a.balance) AS Highest_Balance FROM branch b INNER JOIN
account a ON b.branch_name = a.branch_name GROUP BY b.branch_city) c
WHERE b.branch_name = a.branch_name AND b.branch_city = c.branch_city AND
a.balance = c.Highest_Balance;
```

branch_city	Account_Number
Brooklyn	A-201
Horseneck	A-215
Palo Alto	A-222

Task5)

```
SELECT c.customer_name, l.loan_number, l.amount FROM ((customer c INNER
JOIN borrower b ON c.customer_id=b.customer_id) INNER JOIN loan l ON
b.loan_number=l.loan_number) ORDER BY l.amount ASC, l.loan_number DESC
limit 5;
```

customer_name	loan_number	amount
Curry	L-93	500
Smith	L-11	900
Jones	L-17	1000
Williams	L-17	1000
Adams	L-16	1300

Task6)

```
SELECT c.customer_name FROM customer c, depositor d, borrower b, loan l
WHERE c.customer_id=d.customer_id
```

AND c.customer_id=b.customer_id AND b.loan_number=l.loan_number and
l.branch_name="Perryridge";

customer_name
Hayes

Task7)

```
SELECT SUM(amount) as "total_loan" FROM loan WHERE loan_number  
IN(SELECT loan_number FROM borrower WHERE customer_id  
IN (SELECT customer_id FROM borrower GROUP BY customer_id HAVING  
COUNT(customer_id)>1));
```

total_loan
2900