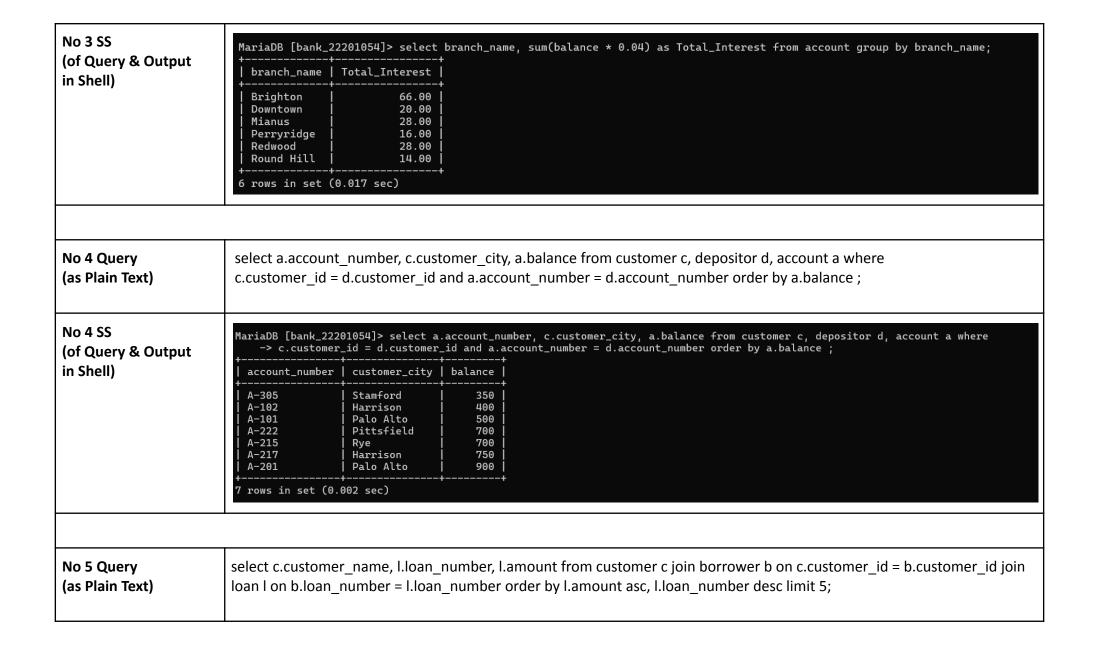
## **CSE370**: Database Systems

## Assignment 03 | Fall 2024

ID : <22201054> | Name : Amit Sutradhar

No 1 Query (as Plain Text)	select c.customer_name, l.loan_number from customer c join borrower b on c.customer_id = b.customer_id join loan l on b.loan_number = l.loan_number where l.branch_name = 'Downtown';
No 1 SS (of Query & Output in Shell)	<pre>MariaDB [bank_22201054]&gt; select c.customer_name, l.loan_number from customer c join borrower b on c.customer_id = b.customer_id join loan l on</pre>
No 2 Query (as Plain Text)	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 where c1.customer_id < c2.customer_id;
No 2 SS (of Query & Output in Shell)	<pre>MariaDB [bank_22201054]&gt; select c1.customer_name as Customer1, c2.customer_name as Customer2, c1.customer_city as City from customer c1 join</pre>
No 3 Query (as Plain Text)	select branch_name, sum(balance * 0.04) as Total_Interest from account group by branch_name;



## No 5 SS MariaDB [bank\_22201054]> select c.customer\_name, l.loan\_number, l.amount from customer c join borrower b on c.customer\_id = b.customer\_id join -> loan l on b.loan\_number = l.loan\_number order by l.amount asc, l.loan\_number desc limit 5; (of Query & Output customer\_name | loan\_number | amount in Shell) L-93 L-11 Curry Smith 900 Jones L-17 1000 Williams L-17 1000 Adams L-16 1300 5 rows in set (0.001 sec) No 6 Query select distinct c.customer name from customer c (as Plain Text) join depositor d on c.customer id = d.customer id join account a on d.account number = a.account number join loan I on a.branch name = I.branch name join borrower br on c.customer\_id = br.customer\_id where a.branch\_name = 'Perryridge' and l.branch\_name = 'Perryridge'; No 6 SS MariaDB [bank\_22201054] > select distinct c.customer\_name from customer c -> join depositor d on c.customer\_id = d.customer\_id (of Query & Output -> join account a on d.account\_number = a.account\_number in Shell) -> join loan l on a.branch\_name = l.branch\_name -> join borrower br on c.customer\_id = br.customer\_id where a.branch\_name = 'Perryridge' and l.branch\_name = 'Perryridge'; customer\_name Hayes 1 row in set (0.012 sec) No 7 Query select c.customer name, sum(l.amount) as Total loan from customer c (as Plain Text) join borrower b on c.customer id = b.customer id join loan I on b.loan number = I.loan number group by c.customer name having count(I.loan number) >= 2;

```
No 7 SS

(of Query & Output in Shell)

MariaDB [bank_22201054]> select c.customer_name, 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 = l.loan_number

-> group by c.customer_name having count(l.loan_number) >= 2;

+------+

| customer_name | Total_loan |

+------+

| Smith | 2900 |

+------+

1 row in set (0.002 sec)
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