### **CSE370**: Database Systems

### Assignment 01 | Fall 2024

ID : <8 Digit Student ID> | Name : Full Official Name

No 1 Query (as Plain Text)	select c.customer_name, b.loan_number from customer c join borrower b on c.customer_id = b.customer_id join loan I on b.loan_number = I.loan_number where I.branch_name='Downtown'
No 1 SS (of Query & Output in Shell)	MariaDB [Bank_24241298]> select c.customer_name, b.loan_number from customer c join borrower b on c.customer_id = b.customer_id join loan 1 on b.loan_number = 1.loan_number where 1.branch_name='Downtown ';
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;< td=""></c2.customer_id;<>
No 2 SS (of Query & Output in Shell)	MariaDB [Bank_24241298]> 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.customer2 adams="" city="" curry="" customer1="" customer2="" green="" harrison="" hayes="" jones="" lindsay="" pittsfield="" rye="" smith="" stamford="" td="" turner=""  =""  <=""></c2.customer2>
No 3 Query (as Plain Text)	select branch_name as Branch_name, round(sum(balance*(4/100)), 2) as Total_Interest from account group by branch_name;



-> join customer c on b.customer id = c.customer id order by l.amount desc limit 5) as highest 5 loan amount -> order by loan\_amount asc, loan\_number desc; No 5 SS MariaDB [Bank\_24241298]> select loan\_number, loan\_amount, customer\_name -> from (select l.loan\_number, l.amount as loan\_amount, c.customer\_name from loan l (of Query & Output -> join borrower b on l.loan\_number = b.loan\_number in Shell) -> join customer c on b.customer\_id = c.customer\_id order by l.amount desc limit 5) as highest\_5\_loan\_amount -> order by loan\_amount asc, loan\_number desc; loan\_number | loan\_amount | customer\_name L-17 1000 Jones L-16 1300 Adams L-15 1500 Hayes L-14 1500 Johnson L-23 Smith 5 rows in set (0.044 sec)

## No 6 Query (as Plain Text)

select distinct c.customer\_name from customer c

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

#### No 6 SS (of Query & Output in Shell)

# No 7 Query (as Plain Text)

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 I on b.loan\_number = I.loan\_number
- -> where c.customer\_id in (select customer\_id from borrower group by customer\_id having count(loan\_number) >= 2)
  - -> group by c.customer name;

#### No 7 SS (of Query & Output in Shell)