**CSE370 : Database Systems**

**Assignment 01/02/03 | Summer 2025**

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

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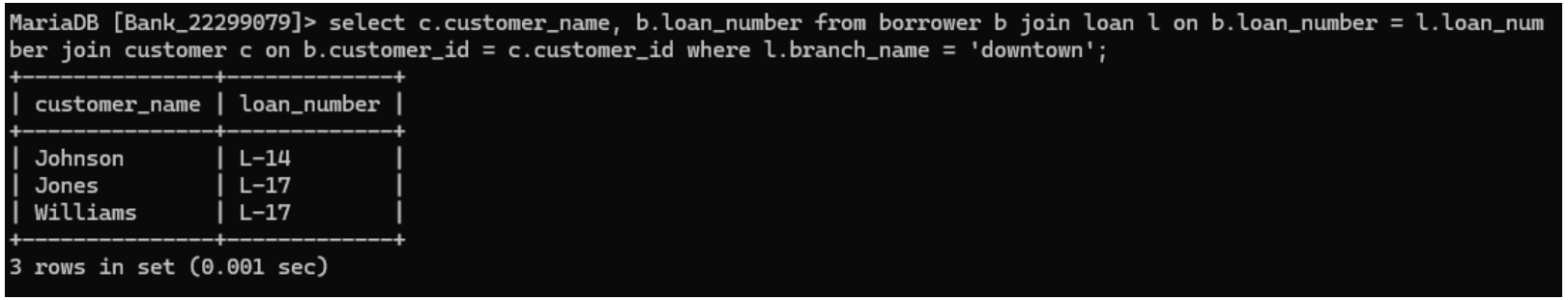
| **No 1 Query (as Plain Text)** | select c.customer_name, b.loan_number from borrower b join loan l on b.loan_number = l.loan_number join customer c on b.customer_id = c.customer_id where l.branch_name = 'downtown'; |
| **No 1 SS (of Query & Output in Shell)** |  |
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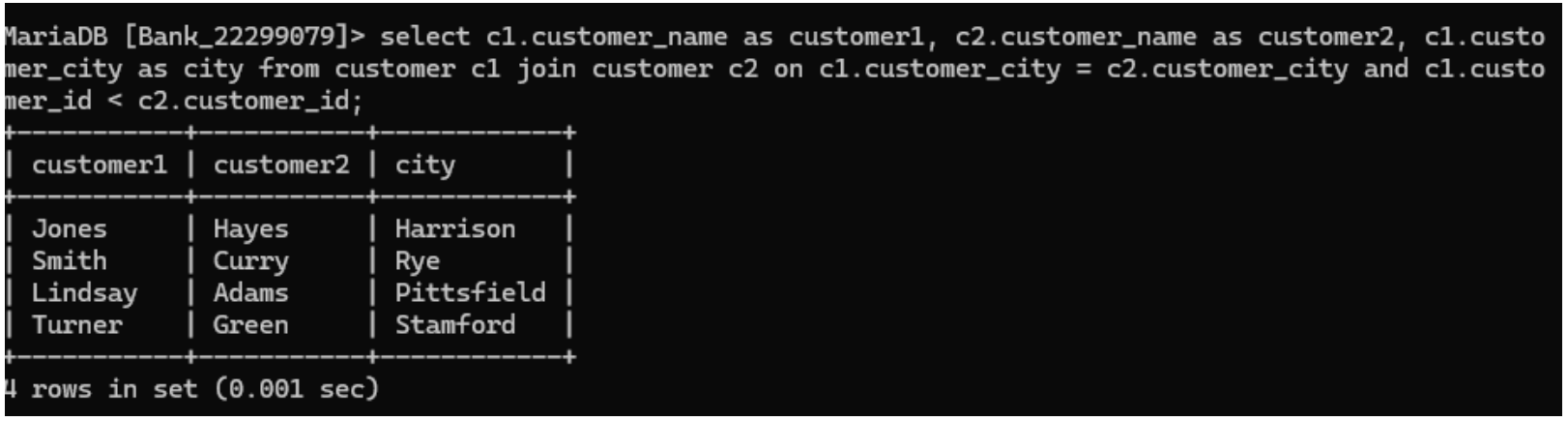
| **No 2 Query (as Plain Text)** | select c1.customer_name as customer1, c2.customer_name as customer2, c1.customer_city as city from customer c1 join customer c2 on c1.customer_city = c2.customer_city and c1.customer_id < c2.customer_id; |
| **No 2 SS (of Query & Output in Shell)** |  |

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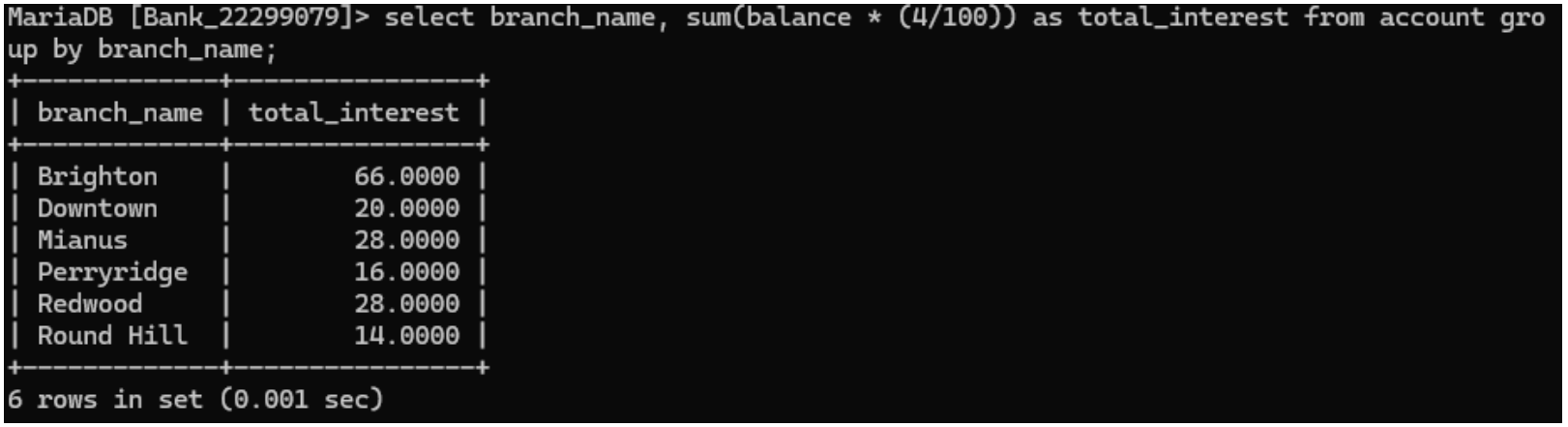
| **No 3 Query (as Plain Text)** | select branch_name, sum(balance * (4/100)) as total_interest from account group by branch_name; |
| **No 3 SS (of Query & Output in Shell)** |  |
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| **No 4 Query (as Plain Text)** | SELECT cust.customer_city, acc.account_number, acc.balance FROM account AS acc JOIN depositor AS dep ON acc.account_number = dep.account_number JOIN customer AS cust ON dep.customer_id = cust.customer_id WHERE (cust.customer_city, acc.balance) IN (SELECT cust2.customer_city, MAX(acc2.balance) FROM account AS acc2 JOIN depositor AS dep2 ON acc2.account_number = dep2.account_number JOIN customer AS cust2 ON dep2.customer_id = cust2.customer_id GROUP BY cust2.customer_city ); |

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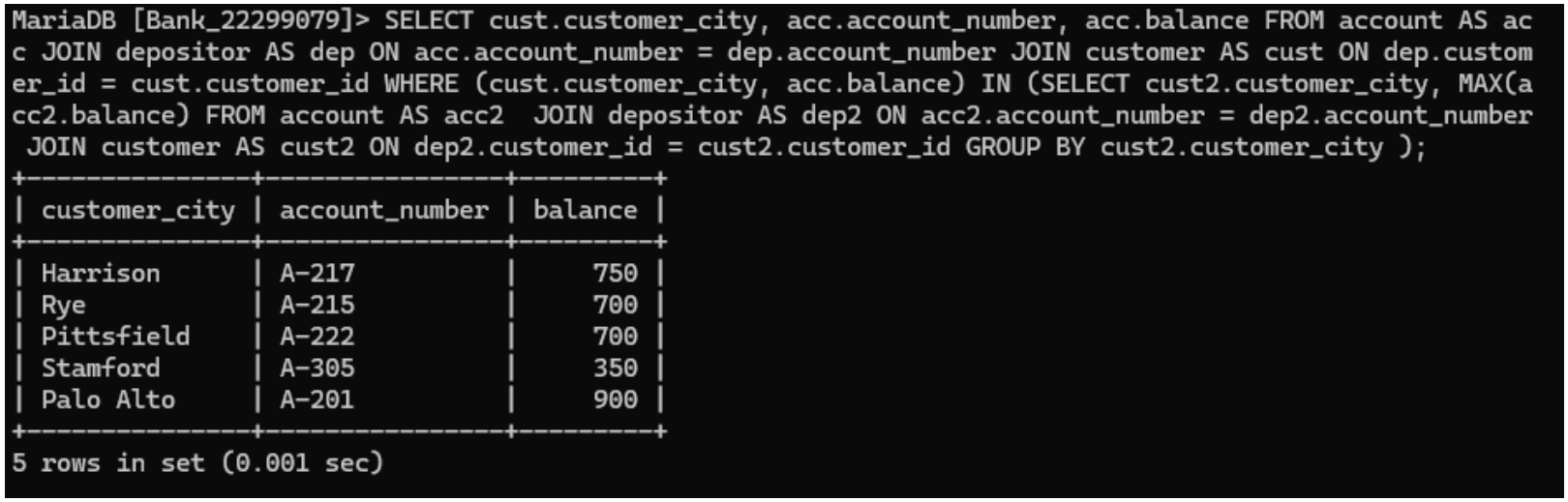
| **No 4 SS (of Query & Output in Shell)** |  |
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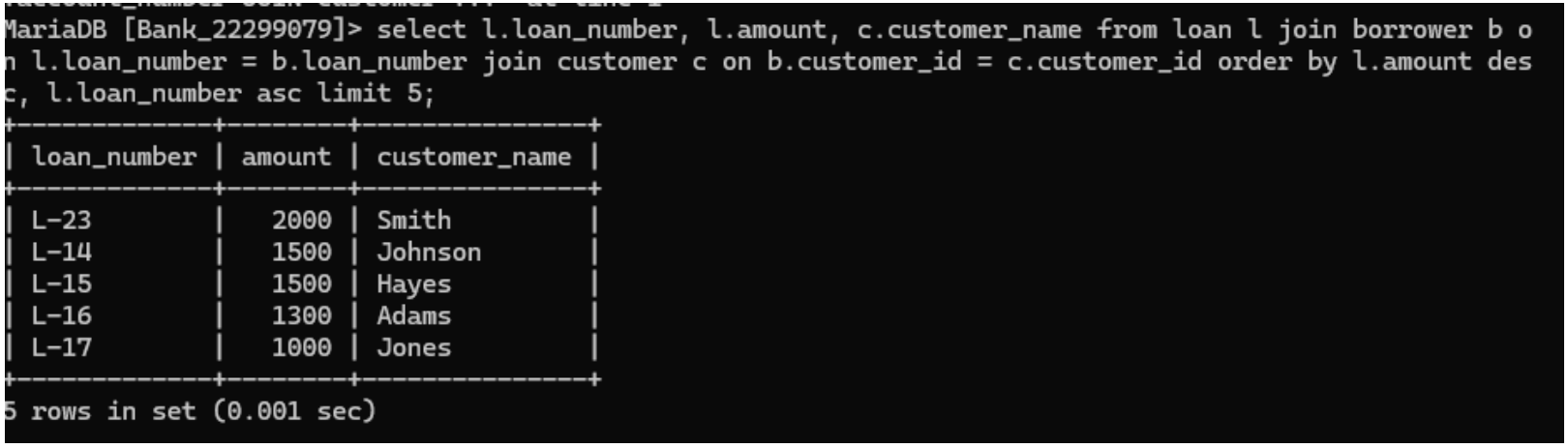
| **No 5 Query (as Plain Text)** | select l.loan_number, l.amount, c.customer_name from loan l join borrower b on l.loan_number = b.loan_number join customer c on b.customer_id = c.customer_id order by l.amount desc, l.loan_number asc limit 5; |
| **No 5 SS (of Query & Output in Shell)** |  |

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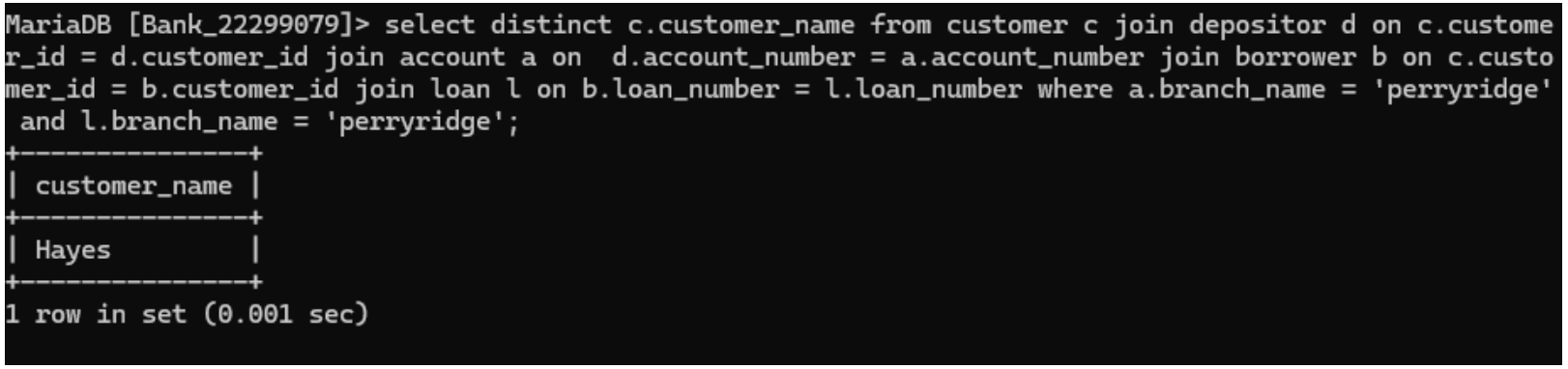
| **No 6 Query (as Plain Text)** | select distinct c.customer_name from customer c join depositor d on c.customer_id = d.customer_id join account a on d.account_number = a.account_number join borrower b on c.customer_id = b.customer_id join loan l on b.loan_number = l.loan_number where a.branch_name = 'perryridge' and l.branch_name = 'perryridge'; |
| **No 6 SS (of Query & Output in Shell)** |  |
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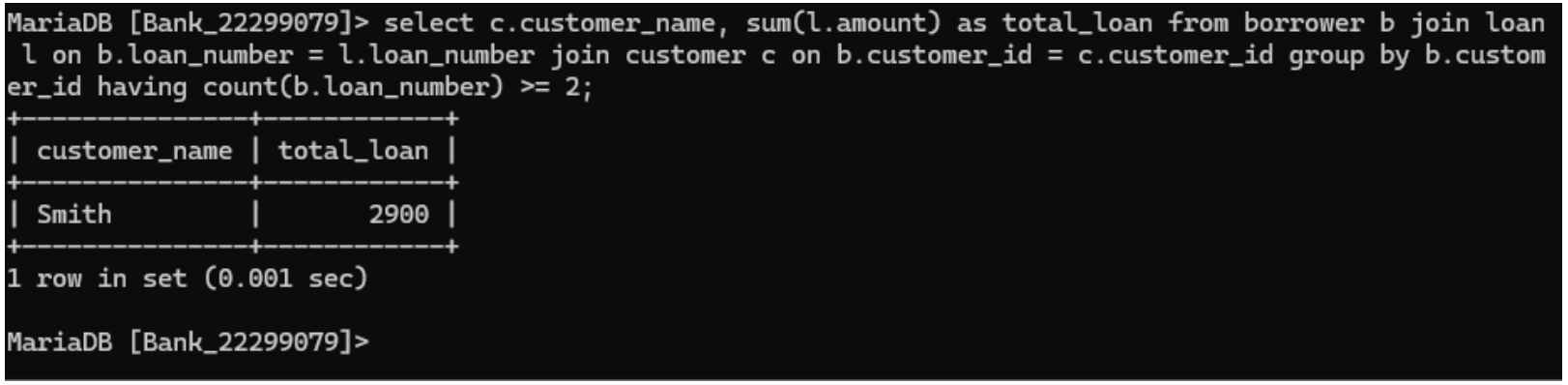
| **No 7 Query (as Plain Text)** | select c.customer_name, sum(l.amount) as total_loan from borrower b join loan l on b.loan_number = l.loan_number join customer c on b.customer_id = c.customer_id group by b.customer_id having count(b.loan_number) >= 2; |
| **No 7 SS (of Query & Output in Shell)** |  |