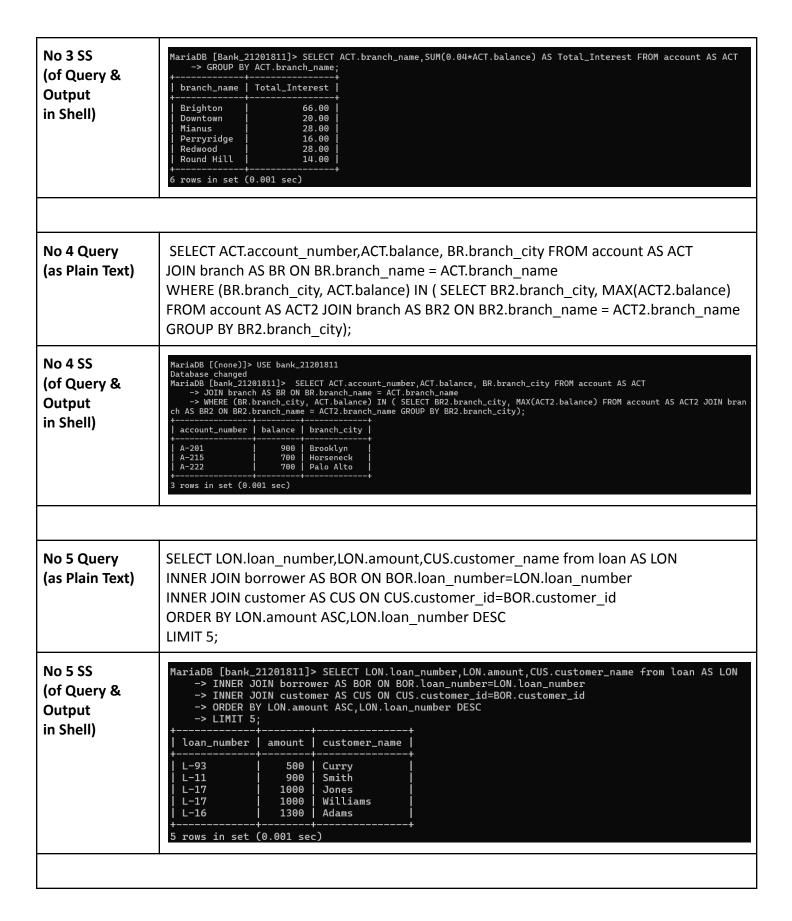
## **CSE370**: Database Systems

## Assignment 01/02/03 | Summer 2025

ID: 21201811 | Name: Rizbin Al Rahi

No 1 Query (as Plain Text)	SELECT CUS.customer_name,LON.loan_number FROM customer AS CUS INNER JOIN borrower AS BOR ON BOR.customer_id=CUS.customer_id INNER JOIN loan AS LON ON LON.loan_number=BOR.loan_number WHERE LON.branch_name='Downtown';
No 1 SS (of Query & Output in Shell)	<pre>MariaDB [Bank_21201811]&gt; SELECT CUS.customer_name,LON.loan_number FROM customer AS CUS     -&gt; INNER JOIN borrower AS BOR ON BOR.customer_id=CUS.customer_id     -&gt; INNER JOIN loan AS LON ON LON.loan_number=BOR.loan_number     -&gt; WHERE LON.branch_name='Downtown'; +</pre>
No 2 Query (as Plain Text)	SELECT CUS1.customer_name AS customer1, CUS2.customer_name AS customer2, CUS1.customer_city FROM customer AS CUS1  JOIN customer AS CUS2 ON CUS1.customer_city = CUS2.customer_city AND CUS1.customer_id < CUS2.customer_id;
No 2 SS (of Query & Output in Shell)	MariaDB [Bank_21201811]> SELECT CUS1.customer_name AS customer1, CUS2.customer_name AS customer2, CUS1.customer_city FRO M customer AS CUS1  -> JOIN customer AS CUS2 ON CUS1.customer_city = CUS2.customer_city AND CUS1.customer_id < CUS2.customer_id;
No 3 Query (as Plain Text)	SELECT ACT.branch_name,SUM(0.04*ACT.balance) AS Total_Interest FROM account AS ACT GROUP BY ACT.branch_name;



```
No 6 Query
                  SELECT DISTINCT C.customer name FROM customer AS C
(as Plain Text)
                  JOIN borrower AS B ON C.customer id = B.customer id
                  JOIN loan AS L ON B.loan number = L.loan number
                  JOIN depositor AS D ON C.customer id = D.customer id
                  JOIN account AS A ON D.account number = A.account number
                  WHERE L.branch name = 'Perryridge' AND A.branch name = 'Perryridge';
                   MariaDB [bank_21201811]> SELECT DISTINCT C.customer_name FROM customer AS C
No 6 SS
                        -> JOIN borrower AS B ON C.customer_id = B.customer_id
(of Query &
                        -> JOIN loan AS L ON B.loan_number = L.loan_number
Output
                        -> JOIN depositor AS D ON C.customer_id = D.customer_id
                        -> JOIN account AS A ON D.account_number = A.account_number
in Shell)
                        -> WHERE L.branch_name = 'Perryridge' AND A.branch_name = 'Perryridge';
                     customer_name
                     Hayes
                     row in set (0.001 sec)
No 7 Query
                  SELECT C.customer name, SUM(L.amount) AS total loan FROM customer AS C
(as Plain Text)
                  JOIN borrower AS B ON C.customer id = B.customer id
                  JOIN loan AS L ON B.loan number = L.loan number
                  GROUP BY C.customer id, C.customer name
                  HAVING COUNT(B.loan number) >= 2;
No 7 SS
                   MariaDB [bank_21201811]> SELECT C.customer_name, SUM(L.amount) AS total_loan FROM customer AS C
                      -> JOIN borrower AS B ON C.customer_id = B.customer_id
-> JOIN loan AS L ON B.loan_number = L.loan_number
(of Query &
                      -> GROUP BY C.customer_id, C.customer_name
Output
                      -> HAVING COUNT(B.loan_number) >= 2;
in Shell)
                     customer_name
                                   total_loan
                    Smith
                                        2900
                    row in set (0.001 sec)
```