CSE370

Database Systems

Lab Homework-5

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Section: 06

Answer of question 1:

MariaDB [bank]> select C.customer\_name, L.loan\_number from

-> Customer C, Borrower B, Loan L where

-> C.customer\_id = B.customer\_id and

-> B.loan\_number = L.loan\_number and

-> L.branch\_name = "Downtown";

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Answer of question 2:

MariaDB [bank]> select C1.customer\_name as Customer1, C2.customer\_name as Customer2, C1.customer\_city as City from customer C1, customer C2 where C1.customer\_city= C2.customer\_city and C1.customer\_name!=C2.customer\_name group by city;



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Answer of question 3:

MariaDB [bank]> select branch\_name, sum(balance\*0.04) as total\_interest from account group by branch\_name;



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Answer of question 4:

MariaDB [bank]> select A.account\_number,B.branch\_city, MAX(A.balance) as highest\_value from account A, branch B where A.branch\_name = B.branch\_name group by B.branch\_city;



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Answer of question 5:

MariaDB [bank]> select L.loan\_number,L.amount,C.customer\_name from customer C, borrower B, loan L where

-> C.customer\_id = B.customer\_id and

-> B.loan\_number = L.loan\_number order by L.amount DESC, L.loan\_number limit 5;



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Answer of question 6:

MariaDB [bank]> select customer\_name from customer C, depositor D, account A where C.customer\_id=D.customer\_id and A.account\_number=D.account\_number and A.branch\_name="Perryridge" and C.customer\_id in (select C.customer\_id from Customer C, borrower B, loan L where C.customer\_id=B.customer\_id and L.loan\_number =B.loan\_number and L.branch\_name="Perryridge");



Text

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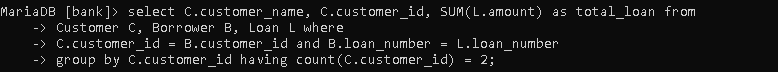
Answer of question 7:

MariaDB [bank]> select C.customer\_name, C.customer\_id, SUM(L.amount) as total\_loan from

-> Customer C, Borrower B, Loan L where

-> C.customer\_id = B.customer\_id and B.loan\_number = L.loan\_number

-> group by C.customer\_id having count(C.customer\_id) = 2;



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