No 1 Query (as Plain Text)	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'; OR, SELECT C.customer_name, L.loan_number FROM ((loan L INNER JOIN borrower B ON L.loan_number = B.loan_number) INNER JOIN customer C ON B.customer_id = C.customer_id) WHERE L.branch_name = "Downtown";
| No 1 SS (of Query & Output in Shell) | ```
MariaDB [Bank_23101137]> 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_na
me= 'Downtown';
+---------------+-------------+
| customer_name | loan_number |
+---------------+-------------+
| Johnson       | L-14        |
| Jones         | L-17        |
| Williams      | L-17        |
+---------------+-------------+
3 rows in set (0.000 sec)
``` <br><br> OR, |

```
MariaDB [Bank_23101137]> SELECT C.customer_name, L.loan_number FROM ((loan L INNER JOIN borrower B ON L.loan_number
 = B.loan_number) INNER JOIN customer C ON B.customer_id = C.customer_id) WHERE L.branch_name = "Downtown";
+---------------+-------------+
| customer_name | loan_number |
+---------------+-------------+
| Johnson       | L-14        |
| Jones         | L-17        |
| Williams      | L-17        |
+---------------+-------------+
3 rows in set (0.000 sec)
```

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, customer C2 where C1.customer_city = C2.customer_city AND C1.customer_id > C2.customer_id;
| **No 2 SS** **(of Query & Output in Shell)** | ```
MariaDB [Bank_23101137]> 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_id > C2.customer_id;
+-----------+-----------+------------+
| customer1 | customer2 | City       |
+-----------+-----------+------------+
| Hayes     | Jones     | Harrison   |
| Curry     | Smith     | Rye        |
| Adams     | Lindsay   | Pittsfield |
| Green     | Turner    | Stamford   |
+-----------+-----------+------------+
4 rows in set (0.000 sec)
``` |
| | |
| **No 3 Query** **(as Plain Text)** | SELECT B.branch_name AS Branch_name, SUM(A.balance*0.04) AS Total_Interest FROM branch B LEFT JOIN account A ON B.branch_name = A.branch_name GROUP BY B.branch_name; |

| **No 3 SS**<br>**(of Query & Output in Shell)** | ```
MariaDB [Bank_23101137]> SELECT B.branch_name AS Branch_name, SUM(A.balance*0.04) AS Total_Interest FROM branch B LEFT JOIN account
A ON B.branch_name = A.branch_name GROUP BY B.branch_name;
+-------------+----------------+
| Branch_name | Total_Interest |
+-------------+----------------+
| Brighton    |          66.00 |
| Downtown    |          20.00 |
| Mianus      |          28.00 |
| North Town  |           NULL |
| Perryridge  |          16.00 |
| Pownal      |           NULL |
| Redwood     |          28.00 |
| Round Hill  |          14.00 |
+-------------+----------------+
8 rows in set (0.000 sec)
``` |
| | |
| **No 4 Query**
(as Plain Text) | SELECT B.branch_city, A.account_number, A.balance FROM account A INNER JOIN branch B ON A.branch_name = B.branch_name WHERE A.balance = (SELECT MAX(A2.balance) FROM account A2 INNER JOIN branch B2 ON A2.branch_name = B2.branch_name WHERE B2.branch_city = B.branch_city) ORDER BY B.branch_city; |
| **No 4 SS**<br>**(of Query & Output in Shell)** | ```
MariaDB [Bank_23101137]> SELECT B.branch_city, A.account_number, A.balance FROM account A INNER JOIN b
ranch B ON A.branch_name = B.branch_name WHERE A.balance = (SELECT MAX(A2.balance) FROM account A2 INN
ER JOIN branch B2 ON A2.branch_name = B2.branch_name WHERE B2.branch_city = B.branch_city ) ORDER BY B
.branch_city;
+-------------+----------------+---------+
| branch_city | account_number | balance |
+-------------+----------------+---------+
| Brooklyn    | A-201          |     900 |
| Horseneck   | A-215          |     700 |
| Palo Alto   | A-222          |     700 |
+-------------+----------------+---------+
3 rows in set (0.001 sec)
``` |
| | |

No 5 Query (as Plain Text)	SELECT L.loan_number, L.amount, C.customer_name FROM ((loan L INNER JOIN borrower B ON L.loan_number = B.loan_number) INNER JOIN customer C ON B.customer_id = C.customer_id) ORDER BY L.amount ASC, L.loan_number DESC LIMIT 5;
| No 5 SS (of Query & Output in Shell) | ```
MariaDB [Bank_23101137]> SELECT L.loan_number, L.amount, C.customer_name FROM ((loan L INNER JOIN borrower B ON L.loan_number =
 B.loan_number) INNER JOIN customer C ON B.customer_id = C.customer_id) ORDER BY L.amount ASC, L.loan_number DESC LIMIT 5;
+-------------+--------+---------------+
| loan_number | amount | customer_name |
+-------------+--------+---------------+
| L-93        |    500 | Curry         |
| L-11        |    900 | Smith         |
| L-17        |   1000 | Jones         |
| L-17        |   1000 | Williams      |
| L-16        |   1300 | Adams         |
+-------------+--------+---------------+
5 rows in set (0.000 sec)
``` |
| | |
| No 6 Query (as Plain Text) | SELECT C.customer_name FROM ((customer C INNER JOIN borrower B ON C.customer_id = B.customer_id) INNER JOIN loan L ON B.loan_number = L.loan_number) WHERE L.branch_name = 'Perryridge'; |
| No 6 SS (of Query & Output in Shell) | ```
MariaDB [Bank_23101137]> SELECT C.customer_name FROM ((customer C INNER JOIN borrower B ON C.customer_id = B.customer_id) INNER
 JOIN loan L ON B.loan_number = L.loan_number) WHERE L.branch_name = 'Perryridge';
+---------------+
| customer_name |
+---------------+
| Hayes         |
| Adams         |
+---------------+
2 rows in set (0.000 sec)
``` |
| | |

No 7 Query (as Plain Text)	SELECT C.customer_name, SUM(L.amount) AS total_loan FROM ((customer C INNER JOIN borrower B ON C.customer_id = B.customer_id) INNER JOIN loan L ON B.loan_number = L.loan_number) GROUP BY C.customer_name HAVING COUNT(L.loan_number) > 1;
| No 7 SS (of Query & Output in Shell) | ```
MariaDB [Bank_23101137]> SELECT C.customer_name, SUM(L.amount) AS total_loan FROM ((customer C INNER JOIN borrower B ON
C.customer_id = B.customer_id) INNER JOIN loan L ON B.loan_number = L.loan_number) GROUP BY C.customer_name HAVING COUNT
(L.loan_number) > 1;
+---------------+------------+
| customer_name | total_loan |
+---------------+------------+
| Smith         |       2900 |
+---------------+------------+
1 row in set (0.000 sec)
``` |
| | |