

CSE370 : Database Systems Lab Mid | Spring 2024

Answer Sheet

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No 1 Query (as Plain Text)	select branch_name from loan where amount>800;
No 1 SS (of Query & Output in Shell)	<pre>MariaDB [LabMid_22141013]> select branch_name from loan where ammount>800; ERROR 1054 (42S22): Unknown column 'ammount' in 'where clause' MariaDB [LabMid_22141013]> select branch_name from loan where amount>800; +-----+ branch_name +-----+ Round Hill Downtown Perryridge Perryridge Downtown Redwood +-----+ 6 rows in set (0.000 sec)</pre>
No 2 Query (as Plain Text)	select customer_city,customer_street from customer where customer_name like '%%n%%';

No 2 SS
(of Query & Output
in Shell)

```
MariaDB [LabMid_22141013]> select customer_city,customer_street from customer where customer_name like '%%n%%';
+-----+-----+
| customer_city | customer_street |
+-----+-----+
| Harrison      | Main            |
| Pittsfield    | Park            |
| Stamford      | Putnam          |
| Palo Alto     | Alma            |
| Woodside      | Sand Hill       |
| Stamford      | Walnut          |
+-----+-----+
6 rows in set (0.000 sec)
```

No 3 Query
(as Plain Text)

select account_number,(balance+ (1.5/100*balance*12)) as Total from account;

**assuming the balance of each account is for a month. So multiplying by 12 for a year.

No 3 SS
(of Query & Output
in Shell)

```
+-----+-----+
| account_number | Total          |
+-----+-----+
| A-101          | 590.00000     |
| A-102          | 472.00000     |
| A-201          | 1062.00000    |
| A-215          | 826.00000     |
| A-217          | 885.00000     |
| A-222          | 826.00000     |
| A-305          | 413.00000     |
+-----+-----+
7 rows in set (0.000 sec)
```

No 4 Query
(as Plain Text)

select customer_city,count(*) from customer group by customer_city;

<p>No 4 SS (of Query & Output in Shell)</p>	<pre> MariaDB [LabMid_22141013]> select customer_city,count(*) from customer group by customer_city; +-----+-----+ customer_city count(*) +-----+-----+ Brooklyn 1 Harrison 2 Palo Alto 1 Pittsfield 2 Princeton 1 Rye 2 Stamford 2 Woodside 1 +-----+-----+ 8 rows in set (0.000 sec) </pre>
<p>No 5 Query (as Plain Text)</p>	<pre> select branch_name from branch where assets>any(select assets from branch where branch_city='Brooklyn'); </pre>
<p>No 5 SS (of Query & Output in Shell)</p>	<pre> MariaDB [LabMid_22141013]> select branch_name from branch where assets>any(select assets from branch where branch_city='Brooklyn'); +-----+ branch_name +-----+ Downtown Round Hill +-----+ 2 rows in set (0.000 sec) </pre>
<p>No 6 Query (as Plain Text)</p>	<pre> select customer_name from ((customer inner join borrower on customer.customer_id=borrower.customer_id)inner join loan on borrower.loan_number=loan.loan_number) where branch_name='Redwood' order by customer_name asc; </pre>

No 6 SS (of Query & Output in Shell)	<pre> MariaDB [LabMid_22141013]> select customer_name from ((customer inner join borrower on customer.customer_id=borrower. customer_id)inner join loan on borrower.loan_number=loan.loan_number) where branch_name='Redwood' order by customer_n ame asc; +-----+ customer_name +-----+ Smith +-----+ 1 row in set (0.000 sec) </pre>
No 7 Query (as Plain Text)	<pre> select customer_name,sum(amount) as total_loan from ((customer inner join borrower on customer.customer_id=borrower.customer_id)inner join loan on borrower.loan_number=loan.loan_number) having count(*)>=2; </pre>
No 7 SS (of Query & Output in Shell)	<pre> MariaDB [LabMid_22141013]> select customer_name,sum(amount) as total_loan from ((customer inner join borrower on cust omer.customer_id=borrower.customer_id)inner join loan on borrower.loan_number=loan.loan_number) having count(*)>=2; +-----+-----+ customer_name total_loan +-----+-----+ Smith 9700 +-----+-----+ 1 row in set (0.001 sec) </pre>
No 8 Query (as Plain Text)	<pre> select loan.loan_number,customer_name from((customer inner join borrower on customer.customer_id=borrower.customer_id)inner join loan on loan.loan_number=borrower.loan_number) order by amount asc limit 5; </pre>

No 8 SS

(of Query & Output
in Shell)

```
MariaDB [LabMid_22141013]> select loan.loan_number,customer_name from((customer inner join borrower on customer.custo
mer_id=borrower.customer_id)inner join loan on loan.loan_number=borrower.loan_number) order by amount asc limit 5;
+-----+-----+
| loan_number | customer_name |
+-----+-----+
| L-93        | Curry         |
| L-11        | Smith         |
| L-17        | Jones         |
| L-17        | Williams      |
| L-16        | Adams         |
+-----+-----+
5 rows in set (0.001 sec)
```