**Question 1**

<https://app.creately.com/diagram/yBL7tHeZU0V/view>

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**Question 2**

1. All Create Table Queries

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3. All Insert Queries

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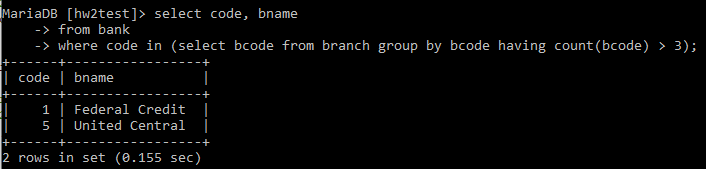
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**Question 3**

1. select code, bname

from bank

where code in (select bcode from branch group by bcode having count(bcode) > 3);



2. select name

from person

where name like '%s';

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3. select count(\*) as total\_customer

from customer;

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4. select name, pcust\_id

from person

where pcust\_id in (select lcust\_id from loan group by lcust\_id having lcust\_id > 19)

and not pcust\_id in (select cust\_id from owns );

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5. select address, branchNo

from branch

where branchNo in (1,2)

order by branchNo desc;

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6. (select name

from person

where pcust\_id in(select cust\_id from owns where acct\_no in(select acct\_no from saving where rate > 2)))

union

(select cname

from company

where ccust\_id in (select cust\_id from owns where acct\_no in(select acct\_no from saving where rate > 2)));

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7. select name

from person

where pcust\_id in (select cust\_id from owns where acct\_no in (select acct\_no from saving where balance > 10000));

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8. select cname, ccust\_id

from company

where ccust\_id in (select cust\_id from owns where cust\_id = 10);

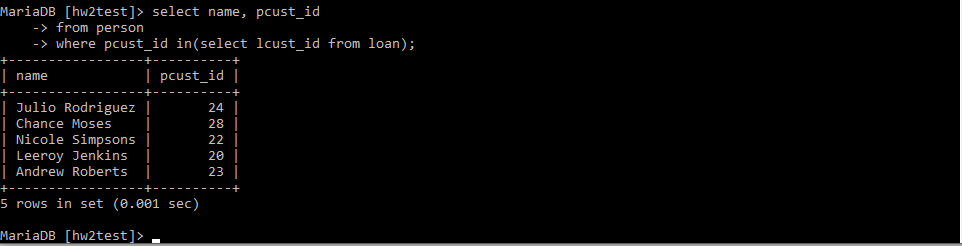
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9. select name, pcust\_id

from person

where pcust\_id in(select lcust\_id from loan);



10. select avg(balance)

from saving

where acct\_no in (select acct\_no from owns where cust\_id in (select pcust\_id from person));

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11. (select cname as maxMFeeCustomer

from company

where ccust\_id in(select cust\_id from owns where acct\_no in(select acct\_no from checking where mfee = (select max(mfee) from checking) group by acct\_no)))

UNION

(select acct\_no

from checking

where mfee = (select max(mfee) from checking) group by acct\_no);

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* **EXPLANATIONS FOR CODE WILL BE INCLUDED IN THE COMMENT SECTION OF THE QUERY SQL FILE -**