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ASSIGNMENT 4 OF DBMS LAB

'FIRST TASK : "showing specific city of the customer which have end as d and f some where in the string (city) "

Code : "

```
SELECT customer_city
```

```
FROM customer
```

```
WHERE customer_city LIKE '%f%' AND customer_city LIKE '%d';
```

"

Explaining : "

Showing city of the customer from customer if the city have any structure like this in end as d and in the anywhere else it is will be as 'f'

"

The screenshot :

Online SQL Editor

Input

```
SELECT customer_city
FROM customer
WHERE customer_city LIKE '%f%' AND customer_city LIKE '%d';
```

Output

customer_city
Pittsfield
Stamford
Pittsfield
Stamford

Available Tables

- Account [-]
 - account_number [varchar(15)]
 - branch_name [varchar(15)]
 - balance [number]
- Borrower [-]
 - customer_name [varchar(15)]
 - loan_number [varchar(15)]
- Branch [-]
 - branch_name [varchar(15)]
 - branch_city [varchar(15)]
 - assets [number]
- Customer [-]
 - customer_name [varchar(15)]
 - customer_street [varchar(12)]
 - customer_city [varchar(15)]
- Depositor [-]
 - customer_name [varchar(15)]
 - account_number [varchar(15)]
- Loan [-]
 - loan_number [varchar(15)]
 - branch_name [varchar(15)]
 - amount [number]

Branch

branch_name	branch_city	assets
Downtown	Brooklyn	900000
Redwood	Palo Alto	2100000
Perryridge	Horseneck	1700000
Mianus	Horseneck	400200
Round Hill	Horseneck	8000000
Pownal	Bennington	400000
North Town	Rye	3700000
Brighton	Brooklyn	7000000
Central	Rye	400280

Customer

customer_name	customer_street	customer_city
Jones	Main	Harrison
Smith	Main	Rye
Hayes	Main	Harrison
Curry	North	Rye
Lindsay	Park	Pittsfield
Turner	Putnam	Stamford
Williams	Nassau	Princeton
Adams	Spring	Pittsfield
Johnson	Alma	Palo Alto
Glenn	Sand Hill	Woodside
Brooks	Senator	Brooklyn
Green	Walnut	Stamford
Jackson	University	Salt Lake
Majeris	First	Rye

Second command : “Find all customer names and their cities who have a loan but not an account.”

Explaining : “ showing the city and name from customer table where his name in the loan table (borrower) where also in the account table (depositor)”

Code : ”

```
SELECT customer_name, customer_city
FROM customer
WHERE customer_name IN (
  SELECT DISTINCT L.customer_name
  FROM loan L
```

```

WHERE L.customer_name NOT IN (
    SELECT DISTINCT A.customer_name
    FROM account A
)
);

"

```

Screenshot :

The screenshot shows the Programiz Online SQL Editor interface. On the left, there are four tabs for tables: Borrower, Branch, Customer, and Depositor, each with its columns listed. The main area has two sections: 'Input' and 'Output'. The 'Input' section contains the SQL query provided in the text above. The 'Output' section displays the results of the query, which is a list of customer names and their corresponding cities. To the right of the input, there is a sidebar titled 'Available Tables' showing the Customer table with columns: customer_name, customer_street, and customer_city. Below the Customer table, there are smaller tables for 'Depositor' and 'Loan'.

customer_name	customer_street	customer_city
Jones	Main	Harrison
Smith	Main	Rye
Hayes	Main	Harrison
Curry	North	Rye
Lindsay	Park	Pittsfield
Turner	Putnam	Stamford
Williams	Nassau	Princeton
Adams	Spring	Pittsfield
Johnson	Alma	Palo Alto
Glenn	Sand Hill	Woodside
Brooks	Senator	Brooklyn
Green	Walnut	Stamford
Jackson	University	Salt Lake
Majerus	First	Rye
McBride	Safety	Rye

The third command : “ Find all customer-related information about who has an account or a loan. ”

Code : “`SELECT *`
`FROM customer`
`WHERE customer_name IN (`

```

SELECT DISTINCT customer_name
FROM account

UNION

SELECT DISTINCT customer_name
FROM loan

) ;
"
```

Explaining : “showing all the information of the customer from his table where his name shownen in anyone of these table the account or the loan ”

Screenshot :

customer_name	customer_street	customer_city	customer_name	customer_street	customer_city
Jones	Main	Harrison	Jones	Main	Harrison
Smith	Main	Rye	Smith	Main	Rye
Hoyes	Main	Harrison	Hoyes	Main	Harrison
Curry	North	Rye	Curry	North	Rye
Lindsay	Park	Pittfield	Lindsay	Park	Pittfield
Burn	Ashes	Stamford	Burn	Ashes	Stamford
Williams	Nessy	Princeton	Williams	Nessy	Princeton
Adams	Spring	Pittfield	Adams	Spring	Pittfield
Johnson	Almo	Polo Alto	Johnson	Almo	Polo Alto
Glenn	Sand Hill	Woodside	Glenn	Sand Hill	Woodside
Brooks	Sensor	Brooklyn	Brooks	Sensor	Brooklyn
Green	Walnut	Stamford	Green	Walnut	Stamford
Jackson	University	Salt Lake	Jackson	University	Salt Lake
Morris	First	Rye	Morris	First	Rye
McBride	Safety	Rye	McBride	Safety	Rye

The 4th commend : “ Find the total assets of all branches. ”

**Code : “SELECT SUM(assets) AS tot
FROM branch;”**

Explaining : “showing their assets and count their values from the table of branch”

Screenshot :

The screenshot shows an online SQL editor interface. On the left, there is a sidebar with four tables listed under 'Available Tables': Account, Borrower, Branch, and Customer. The 'Branch' table is expanded, showing columns: branch_name [varchar(15)], branch_city [varchar(15)], and assets [number]. The 'Customer' table is also partially expanded. In the center, there is an 'Input' section containing the SQL query:

```
SELECT SUM(assets) AS tot  
FROM branch;
```

Below the input is an 'Output' section showing the result of the query:

tot
24600480

To the right of the output is a large table titled 'Branch' with the following data:

branch_name	branch_city	assets
Downtown	Brooklyn	900000
Redwood	Palo Alto	2100000
Perryridge	Horseneck	1700000
Mianus	Horseneck	400200
Round Hill	Horseneck	8000000
Pownal	Bennington	400000
North Town	Rye	3700000
Brighton	Brooklyn	7000000
Central	Rye	400280

The 5th command : “Find the name of the branch city and the total number of accounts at each branch city”

The code : “`SELECT B.branch_name, COUNT(A.account_number) AS tot
FROM branch B
LEFT JOIN account A ON B.branch_name = A.branch_name
GROUP BY B.branch_name;”`

The explanation : “

Showing branch name from branch table and the number of the account in the table of the accounts here using joining to implement two tables together with where the branch name of the account is same as the branch name which also will be grouped by branch name

”

The screenshot :

Online SQL Editor

Input:

```
SELECT B.branch_name, COUNT(A.account_number) AS tot
FROM Branch B
LEFT JOIN Account A ON B.branch_name = A.branch_name
GROUP BY B.branch_name;
```

Available Tables:

McBride	L-20	
Smith	L-21	

Branch:

branch_name	branch_city	assets
Downtown	Brooklyn	900000
Redwood	Palo Alto	2100000
Perryridge	Horseneck	1700000
Mianus	Horseneck	400200
Round Hill	Horseneck	8000000
Pownal	Bennington	400000
North Town	Rye	3700000
Brighton	Brooklyn	7000000
Central	Rye	400280

Customer:

customer_name	customer_street	customer_city
Jones	Main	Harrison
Smith	Main	Rye
Hayes	Main	Harrison
Curry	North	Rye
Lindsay	Park	Pittsfield
Turner	Putnam	Stamford
Williams	Nassau	Princeton
Adams	Spring	Pittsfield
Johnson	Alma	Palo Alto
Glenn	Sand Hill	Woodside
Brooks	Senator	Brooklyn

Depositor:

branch_name	tot
Brighton	1
Central	1
Downtown	1
Mianus	1
North Town	1
Perryridge	2
Pownal	0
Redwood	1
Round Hill	1

The 6th command : “Find the customer name and account number of the account that has the highest balance.”

The code : “select Depositor.customer_name , Depositor.account_number

from Account

join Depositor on Account.account_number=Depositor.account_number

where balance = (select max(balance)from Account);

”

The explanation : “showing the customer name and his number account from the table of cusmtor and depositor where the balance equalled the max balance of all the table ”

The screenshot :

Programiz
Online SQL Editor

Interactive SQL Course

```

Input
select Depositor.customer_name , Depositor.account_number
from Account
join Depositor on Account.account_number=Depositor.account_number
where balance = (select max(balance)from Account );

```

Output

customer_name	account_number
Johnson	A-201

Available Tables

Account		
account_number	branch_name	balance
A-101	Downtown	500
A-215	Mianus	700
A-102	Perryridge	400
A-305	Round Hill	350
A-201	Perryridge	900
A-222	Redwood	700
A-217	Brighton	750
A-333	Central	850
A-444	North Town	625

Borrower	
customer_name	loan_number
Jones	L-17
Smith	L-23
Hayes	L-15

The 7th command : “. Find the average balance of accounts at each branch and display them according to their branch name in ascending order and the average balance in descending order.”

The code : “SELECT B.branch_name, AVG(A.balance) AS Averagebalance

FROM branch B

JOIN account A ON B.branch_name = A.branch_name

GROUP BY B.branch_name

ORDER BY B.branch_name ASC, Averagebalance DESC;

”

The explanation : “

Showing the branch name from the branch table and the average of balance of the accounts who are in the table i used the join with condition as branch name account must be as branch nameand group it and order each one of them according to their name asc if they are same then sort as averagebalance desc

”

The screenshot :

```

SELECT b.branch_name, AVG(A.balance) AS Averagebalance
FROM branch B
JOIN account A ON B.branch_name = A.branch_name
GROUP BY B.branch_name
ORDER BY B.branch_name ASC, Averagebalance DESC;
  
```

branch_name	branch_city	assets
Downtown	Brooklyn	900000
Redwood	Palo Alto	2100000
Perryridge	Horse Neck	1700000
Mianus	Horse Neck	400200
Round Hill	Horse Neck	8000000
Pownal	Bennington	400000
North Town	Rye	3700000
Brighton	Brooklyn	7000000
Central	Rye	400280

customer_name	customer_street	customer_city
Jones	Main	Harrison
Smith	Main	Rye
Hayes	Main	Harrison
Curry	North	Rye
Lindsay	Park	Pittsfield
Turner	Putnam	Stamford
Williams	Nassau	Princeton
Adams	Spring	Pittsfield
Johnson	Alma	Palo Alto
Glenn	Sand Hill	Woodside
Brooks	Senator	Brooklyn

The 8th command : “Find the number of customers of each customer_city who are depositors as well as have loans.”

The code : “select count(Customer.customer_name)”number of who have loan and have deposior”,Customer.customer_city

from Customer

where Customer.customer_name IN (select Depositor.customer_name from Depositor join Account on Account.account_number = Depositor.account_number)

**AND Customer.customer_name IN (select Borrower.customer_name from Borrower join
 Loan on Loan.loan_number = Borrower.loan_number)
 group by Customer.customer_city**
 ”

**The explanation : “here is intersect using the and which it will do as the two group every
 group inside it number if that number inside the other number it will take it as info as
 record inside it and the second same it what it is the first but one for account and one for
 the loans ”**

The screenshot :

Online SQL Editor Interactive SQL Course

Input:

```

/*nd the number of customers of each customer_city who are depositors as well as have
loans.*/
select count(Customer.customer_name) "number of who have loan and have
depositor",Customer.customer_city
from Customer
where Customer.customer_name IN (select Depositor.customer_name from Depositor join Account
on Account.account_number = Depositor.account_number)
AND Customer.customer_name IN (select Borrower.customer_name from Borrower join Loan on
Loan.loan_number = Borrower.loan_number)
group by Customer.customer_city

```

Available Tables:

Depositor	
customer_name	account_number
Johnson	A-101
Smith	A-215
Hayes	A-102
Hayes	A-101
Turner	A-305
Johnson	A-201
Jones	A-217
Lindsay	A-222
Majeris	A-333
Smith	A-444

Loan		
loan_number	branch_name	amount
L-17	Downtown	1000
L-23	Redwood	2000
L-15	Perryridge	1500
L-14	Downtown	1500
L-93	Mianus	500
L-11	Round Hill	900
L-14	Bernzoidale	1900

Output:

number of who have loan and have deposior	customer_city
2	Harrison
1	Rye

**The 9th command : “Find the average loan amount at each branch. Do not include any
 branch which is located in a that has the substring, ‘Horse’ in its name.”**

**The code : “SELECT B.branch_name, AVG(L.amount) AS Averageamount
 FROM branch B**

JOIN loan L ON B.branch_name = L.branch_name

WHERE B.branch_city NOT LIKE '%Horse%'

GROUP BY B.branch_name;

"

The explanation : “it will show the name of the branch from branch and the average of the amount of the loan where it will join two table of the info where the branch name of the account be same as branch name and also will not have horse in the structure of the character inside it as branch city and finally it will be grouped as branch name ”

The screenshot :

The screenshot shows a database interface with the following components:

- Input:** A code editor containing the following SQL query:

```
SELECT B.branch_name, AVG(L.amount) AS Averageamount
FROM branch B
JOIN loan L ON B.branch_name = L.branch_name
WHERE B.branch_city NOT LIKE '%Horse%'
GROUP BY B.branch_name;
```
- Available Tables:** A list of tables with their primary keys:
 - Account [-]: account_number [varchar(15)]
 - Borrower [-]: customer_name [varchar(15)]
 - Branch [-]: branch_name [varchar(15)]
 - branch_city [varchar(15)]
 - assets [number]
 - Customer [-]: customer_name [varchar(15)]
 - customer_street [varchar(25)]
 - customer_city [varchar(15)]
 - Depositor [-]: customer_name [varchar(15)]
 - account_number [varchar(15)]
 - Loan [-]: loan_number [varchar(15)]
 - branch_name [varchar(15)]
 - amount [number]
- Output:** The results of the executed query:

branch_name	Averageamount
Central	570
Downtown	1250
North Town	7500
Redwood	2000
- Branch:** A table showing branch details:

branch_name	branch_city	assets
Downtown	Brooklyn	900000
Redwood	Palo Alto	2100000
Perryridge	Horseneck	1700000
Mianus	Horseneck	400200
Round Hill	Horseneck	8000000
Pownd	Bennington	400000
North Town	Rye	3700000
Brighton	Brooklyn	7000000
Central	Rye	400280
- Customer:** A table showing customer details:

customer_name	customer_street	customer_city
Jones	Main	Harrison
Smith	Main	Rye
Hayes	Main	Harrison
Curry	North	Rye
Lindsay	Park	Pittfield
Turner	Putnam	Stamford
Williams	Nassau	Princeton
Adams	Spring	Pittfield
Johnson	Alma	Palo Alto
Glenn	Sand Hill	Woodside
Brooks	Senator	Brooklyn

The 10th command : “Find all customer-related information who have an account in a branch, located in the same city as they live.”

The code : “select * from Customer join depositor on depositor.customer_name = customer.customer_name

```

where account_number in (select account_number from account join branch on
account.branch_name = branch.branch_name

where customer_city = branch_city)

"
```

The explanation : “it will show all of the info about these customers who have depositors where they will be taken from the customer city and they will be taken branch name after that if they are equalled it will record them ”

The screenshot :

Input

```

/*nd all customer-related information who have an account in a branch, located in the same
city as they live.*/
select * from Customer join depositor on depositor.customer_name = customer.customer_name
where account_number in (select account_number from account join branch on account.branch_name =
branch.branch_name
where customer_city = branch_city)

```

Available Tables

Customer		
customer_name	customer_street	customer_city
Jones	Main	Harrison
Smith	Main	Rye
Hayes	Main	Harrison
Curry	North	Rye
Lindsay	Park	Pittsfield
Turner	Putnam	Stamford
Williams	Nassau	Princeton
Adams	Spring	Pittsfield
Johnson	Alma	Palo Alto
Glenn	Sand Hill	Woodside
Brooks	Senator	Brooklyn
Green	Walnut	Stamford
Jackson	University	Salt Lake
Majeris	First	Rye
McBride	Safety	Rye

Depositor	
customer_name	account_number
Johnson	A-101
Smith	A-215
Hayes	A-102
Hayes	A-101
Turner	A-305

The 11th command : “Find the average loan amount at each branch. Do not include any branch which is located in a that has the substring, ‘Horse’ in its name.”

The code : “

```
SELECT B.branch_name  
FROM branch B  
JOIN account A ON B.branch_name = A.branch_name  
GROUP BY B.branch_name  
HAVING SUM(A.balance) > (  
    SELECT AVG(Totalbalance)  
    FROM (   
        SELECT SUM(A.balance) AS Totalbalance  
        FROM branch B  
        JOIN account A ON B.branch_name = A.branch_name  
        GROUP BY B.branch_name  
    ) AS tot);  
”
```

The explanation : “

Showing the branch name from branch table which branch name must be same as account branch name and will be grouped by branch name while the sum of his balance will be bigger than (showing the sum of the balance of that account)

”

The screenshot :

Programiz
Online SQL Editor

Interactive SQL Course

Available Tables

McBride	L-20
Smith	L-21

Branch

branch_name	branch_city	assets
Downtown	Brooklyn	900000
Redwood	Palo Alto	2100000
Perryridge	Horseneck	1700000
Mianus	Horseneck	400200
Round Hill	Horseneck	8000000
Pownal	Bennington	400000
North Town	Rye	3700000
Brighton	Brooklyn	7000000
Central	Rye	400280

Customer

customer_name	customer_street	customer_ci
---------------	-----------------	-------------

Input

```

SELECT B.branch_name
FROM branch B
JOIN account A ON B.branch_name = A.branch_name
GROUP BY B.branch_name
HAVING SUM(A.balance) > (
    SELECT AVG(Totalbalance)
    FROM (
        SELECT SUM(A.balance) AS Totalbalance
        FROM branch B
        JOIN account A ON B.branch_name = A.branch_name
        GROUP BY B.branch_name
    ) AS tot
);

```

Output

branch_name
Brighton
Central
Perryridge

The 12th command : “Find those branch names where the total customer balance is greater than the total customer loan amount.”

The code : “SELECT B.branch_name

FROM branch B

JOIN account A ON B.branch_name = A.branch_name

JOIN loan C ON A.branch_name = C.branch_name

GROUP BY B.branch_name

HAVING SUM(A.balance) > SUM(c.amount);

”

The explanation : “selecting the branch name and group by it where the balance bigger than amount which i made joining two table inside the branch because that's will give me

what i need easily such as balance and amount also there is another method i thought about it i use it before at 10th command question it's a nested where "

The screenshot :

Programiz
Online SQL Editor

Available Tables

branch_name	description
Glenn	Sand Hill
Brooks	Senator
Green	Walnut
Jackson	University
Majeris	First
McBride	Safety

Depositor

customer_name	account_number
Johnson	A-101
Smith	A-215
Hayes	A-102
Hayes	A-101
Turner	A-305
Johnson	A-201
Jones	A-217
Lindsay	A-222

Input

```

/*
Find those branch names
where the total customer balance is greater than the total customer Loan
amount.
*/
SELECT B.branch_name
FROM branch B
JOIN account A ON B.branch_name = A.branch_name
JOIN loan C ON A.branch_name = C.branch_name
GROUP BY B.branch_name
HAVING SUM(A.balance) > SUM(c.amount);

```

Output

branch_name
Central
Mianus

The 13th command : “ Find the names of the customers who have at least one loan that can be paid off by his/her total balance.”

The code : “SELECT DISTINCT C.customer_name

FROM customer C

JOIN borrower B ON C.customer_name = B.customer_name

JOIN loan L ON B.loan_number = L.loan_number

JOIN account A ON L.branch_name = A.branch_name

GROUP BY C.customer_name, L.loan_number

HAVING SUM(A.balance) >= L.amount;

”

The explanation : “showing customer name from table customer and join the borrower which his name shown in table of the customer and same as loan and account joining tables after that group it by name of the customer and loan number who will have balance bigger or equalled to the loan amount it will be shown as unique value ”

The screenshot :

Programiz
Online SQL Editor

Interactive SQL Course

Input:

```
SELECT DISTINCT C.customer_name
FROM customer C
JOIN borrower B ON C.customer_name = B.customer_name
JOIN loan L ON B.loan_number = L.loan_number
JOIN account A ON L.branch_name = A.branch_name
GROUP BY C.customer_name, L.loan_number
HAVING SUM(A.balance) >= L.amount;
```

Available Tables:

Account		
account_number	branch_name	balance
A-101	Downtown	500
A-215	Mianus	700
A-102	Perryridge	400
A-305	Round Hill	350
A-201	Perryridge	900
A-222	Redwood	700
A-217	Brighton	750
A-333	Central	850
A-444	North Town	625

Borrower	
customer_name	loan_number
Jones	L-17
Smith	L-23
Hoyes	L-15
Jackson	L-14
Curry	L-93
Smith	L-11
Williams	L-17
Adams	L-14

Output:

customer_name
Adams
Curry
Smith

The 14th command : “Find those customers’ names, balances and loan amounts who have accounts and loans but neither in the branch of their own city.”

**The code : “SELECT DISTINCT C.customer_name, A.balance, L.amount
FROM customer C
JOIN depositor D ON C.customer_name = D.customer_name**

JOIN account A ON D.account_number = A.account_number

JOIN borrower B ON C.customer_name = B.customer_name

JOIN loan L ON B.loan_number = L.loan_number

WHERE A.branch_name NOT IN (

SELECT branch_name

FROM branch

WHERE branch_city = C.customer_city

);"

The explanation : “showing the name of the customer and balance of his account and amount of his loan and joining these tables together which contains same info of same human when the branch city will not be same as the city of the branch ”

The screenshot :

The screenshot shows an online SQL editor interface. The top bar includes tabs for 'Input' and 'Output', a toolbar with icons for copy, paste, run, and refresh, and a button for 'Run SQL'. To the right of the toolbar is a button for 'Interactive SQL Course'. Below the toolbar, the 'Input' tab is active, displaying the following SQL query:

```
SELECT DISTINCT C.customer_name, A.balance, L.amount
FROM customer C
JOIN depositor D ON C.customer_name = D.customer_name
JOIN account A ON D.account_number = A.account_number
JOIN borrower B ON C.customer_name = B.customer_name
JOIN loan L ON B.loan_number = L.loan_number
WHERE A.branch_name NOT IN (
    SELECT branch_name
    FROM branch
    WHERE branch_city = C.customer_city
);
```

To the right of the input area, there are two tables: 'Account' and 'Borrower'. The 'Account' table has columns 'account_number', 'branch_name', and 'balance', with data rows:

account_number	branch_name	balance
A-101	Downtown	500
A-215	Mianus	700
A-102	Perryridge	400
A-305	Round Hill	350
A-201	Perryridge	900
A-222	Redwood	700
A-217	Brighton	750
A-333	Central	850
A-444	North Town	625

The 'Borrower' table has columns 'customer_name' and 'loan_number', with data rows:

customer_name	loan_number
Jones	L-17
Smith	L-23
Hayes	L-15
Jackson	L-14
Curry	L-93
Smith	L-11
Williams	L-17
Adams	L-14

The 15th command : “Find the customers’ names who have accounts or loans in the branch that has the highest assets.”

The code : “
SELECT DISTINCT C.customer_name
FROM customer C
JOIN depositor D ON C.customer_name = D.customer_name
JOIN account A ON D.account_number = A.account_number
WHERE A.branch_name IN (
 SELECT branch_name
 FROM branch
 WHERE assets = (
 SELECT MAX(assets)
 FROM branch
)
)
UNION
SELECT DISTINCT C.customer_name
FROM customer C
JOIN borrower B ON C.customer_name = B.customer_name
JOIN loan L ON B.loan_number = L.loan_number
WHERE L.branch_name IN (
 SELECT branch_name
 FROM branch

```

WHERE assets = (
    SELECT MAX(assets)
    FROM branch
)
);

```

“

The explanation : “there is two set will include all of two showing records every table has his condition and his joining part it will search for the branch who will have the max of assets by their names the branches of course we dont have the main access to that one then we will connect it together by the relation we made it as join like that will have the access of all of it ”

The screenshot :

The screenshot shows an Online SQL Editor interface with the following details:

- Input Tab:** Contains the SQL query:

```

SELECT MAX(assets)
FROM branch
)
)
UNION
SELECT DISTINCT C.customer_name
FROM customer C
JOIN borrower B ON C.customer_name = B.customer_name
JOIN loan L ON B.loan_number = L.loan_number
WHERE L.branch_name IN (
    SELECT branch_name
    FROM branch
    WHERE assets = (
        SELECT MAX(assets)
        FROM branch
    )
);

```
- Available Tables:** A sidebar listing the tables used in the query:
 - Account:** Columns: account_number, branch_name, balance. Data:

A-101	Downtown	500
A-215	Mianus	700
A-102	Perryridge	400
A-305	Round Hill	350
A-201	Perryridge	900
A-222	Redwood	700
A-217	Brighton	750
A-333	Central	850
A-444	North Town	625
 - Borrower:** Columns: customer_name, loan_number. Data:

Jones	L-17
Smith	L-23
Hayes	L-15
Jackson	L-14
Curry	L-93
Smith	L-11
Williams	L-17
Alderson	L-14
- Output Tab:** Shows the results of the query, which lists customer names:

customer_name
Smith
Turner

