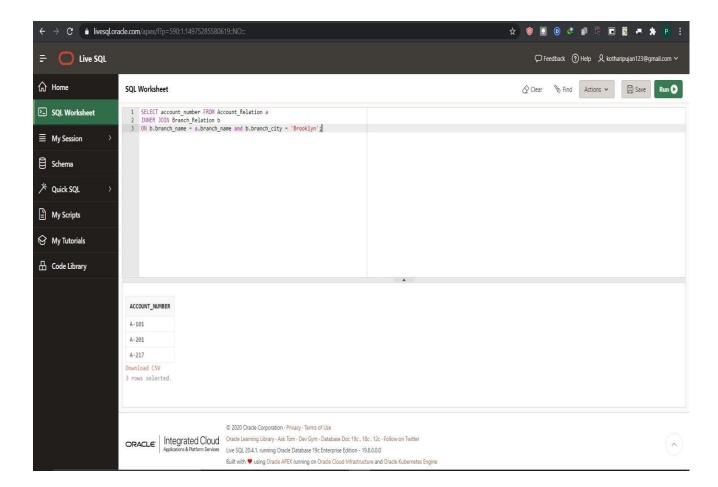**Pujan Kothari**
TE3-25
DBMS PRACTICAL 5

CODE:
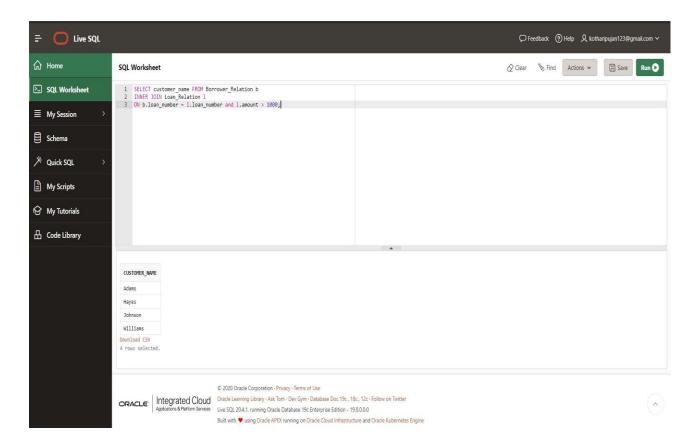
Inner join Queries:

1. Find account numbers having branch city as Brooklyn:

SELECT account_number FROM Account_Relation a

INNER JOIN Branch_Relation b

ON b.branch_name = a.branch_name and b.branch_city = 'Brooklyn';
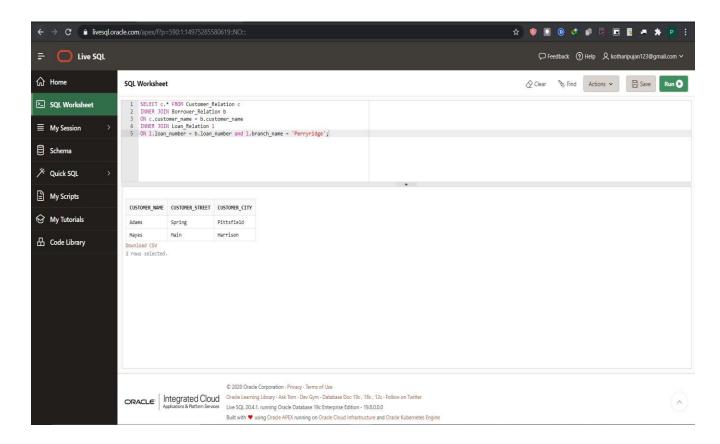
Output:

2. Select name of customer having loan amt more than 1000:

SELECT customer_name FROM Borrower_Relation b
INNER JOIN Loan_Relation l
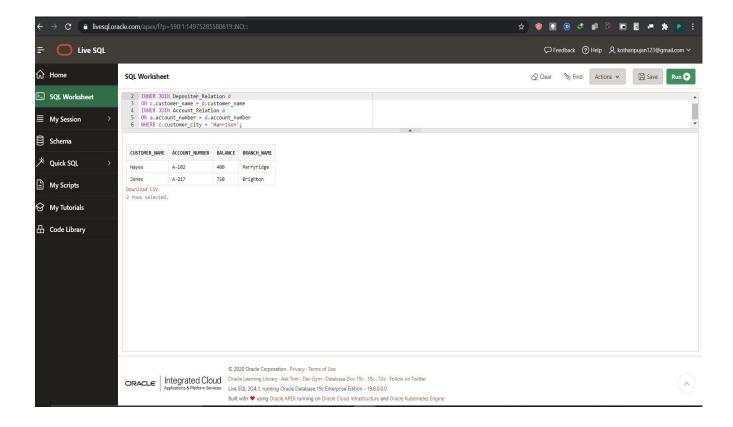ON b.loan_number = l.loan_number and l.amount > 1000;

Output:

3. Select all customer information having loan from branch Perryridge:

SELECT c.* FROM Customer_Relation c

INNER JOIN Borrower_Relation b

ON c.customer_name = b.customer_name

INNER JOIN Loan_Relation l

ON l.loan_number = b.loan_number and l.branch_name = 'Perryridge';

Output:

4. Find all account details with related customer name for the customers living in the city Harrison:

SELECT c.customer_name,a.* FROM Customer_Relation c

INNER JOIN Depositor_Relation d

ON c.customer_name = d.customer_name

INNER JOIN Account_Relation a

ON a.account_number = d.account_number

WHERE c.customer_city = 'Harrison';

Output:

5. Find all accounts information with the branches having assets less than 50 lacs:

SELECT a.* FROM Account_Relation a
INNER JOIN Branch_Relation b
ON a.branch_name = b.branch_name and b.assets < 5000000;

Output:
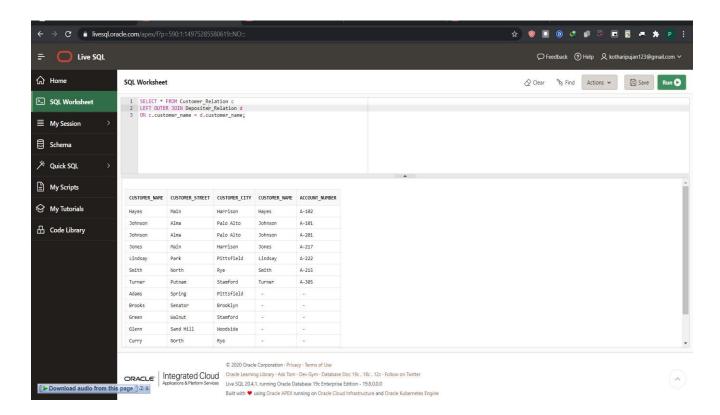
Outer Join Queries:

Join Customer_Relation and Depositor_Relation using all 3 outer join:

1. Left Outer Join

SELECT * FROM Customer_Relation c

LEFT OUTER JOIN Depositor_Relation d

ON c.customer_name = d.customer_name;

Output:

2. Right Outer Join

SELECT * FROM Customer_Relation c
RIGHT OUTER JOIN Depositor_Relation d
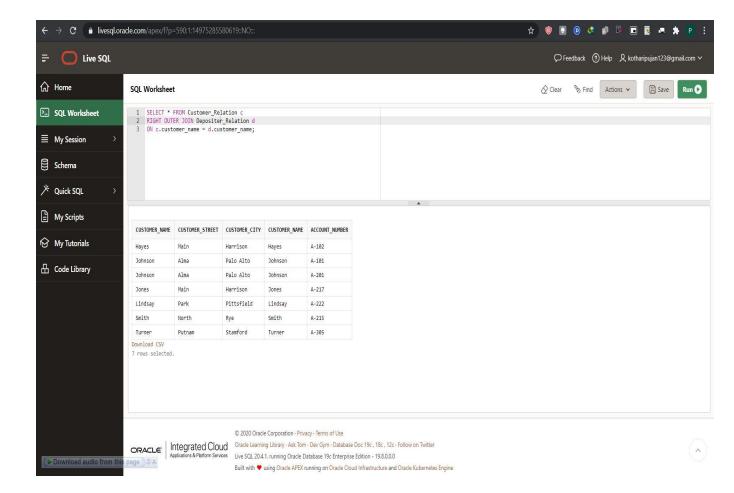ON c.customer_name = d.customer_name;

Output:

3. Full Outer Join:

SELECT * FROM Customer_Relation c
FULL OUTER JOIN Depositor_Relation d
ON c.customer_name = d.customer_name;

Output:

SQL Worksheet   ◇ Clear   🔍 Find   Actions ⌄   💾 Save   Run ▶

```
1  SELECT * FROM Customer_Relation c
2  FULL OUTER JOIN Depositer_Relation d
3  ON c.customer_name = d.customer_name;
```

CUSTOMER_NAME	CUSTOMER_STREET	CUSTOMER_CITY	CUSTOMER_NAME	ACCOUNT_NUMBER
Adams	Spring	Pittsfield	-	-
Brooks	Senator	Brooklyn	-	-
Curry	North	Rye	-	-
Glenn	Sand Hill	Woodside	-	-
Green	Walnut	Stamford	-	-
Hayes	Main	Harrison	Hayes	A-102
Johnson	Alma	Palo Alto	Johnson	A-101
Johnson	Alma	Palo Alto	Johnson	A-201
Jones	Main	Harrison	Jones	A-217
Lindsay	Park	Pittsfield	Lindsay	A-222
Smith	North	Rye	Smith	A-215
Turner	Putnam	Stamford	Turner	A-305
Williams	Nassau	Princeton	-	-

Download CSV
13 rows selected.

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