1) Find all branch names and cities with assets more than 1000000. (on single table)

2) Find all account numbers and their balance which are opened in 'Downtown' branch or which have balance in between 600 and 750. (on single table)

```
SELECT account number, balance
   FROM account
   WHERE branch name = 'Downtown'
   or balance >= 600 and balance <= 750;
Script Output × Query Result ×
📌 🚇 祸 💁 SQL | All Rows Fetched: 5 in 0.003 seconds
 <sup>1</sup> A-101
                 500
  <sup>2</sup> A-215
                700
  3 A-222
                700
  4 A-217
                750
  5 A - 444
                625
```

3) Find all account numbers which are opened in a branch located in 'Rye' city. (multiple tables)

```
SELECT account_number

FROM account NATURAL JOIN branch

WHERE branch_city = 'Rye';

Script Output x Query Result x

Query Result x

ACCOUNT_NUMBER

1 A-333
2 A-444
```

4) Find all loan numbers which have amount greater than or equal to 1000 and their customers are living in 'Harrison' city. (multiple tables)

```
SELECT Loan.loan_number FROM Loan

JOIN Borrower ON Loan.loan_number=Borrower.loan_number

JOIN Customer ON Customer.customer_name=Borrower.customer_name

WHERE amount>=1000 AND customer_city='Harrison';

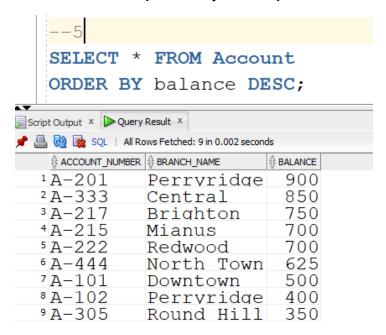
Script Output × Query Result ×

Script Output × Query Result ×

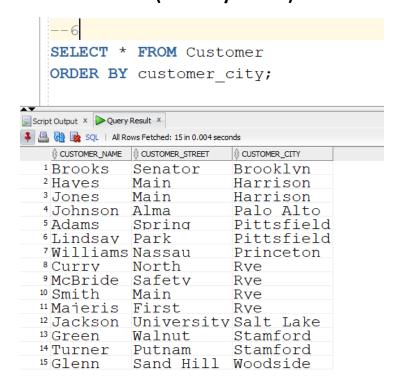
LOAN_NUMBER

1 L-17
2 L-15
```

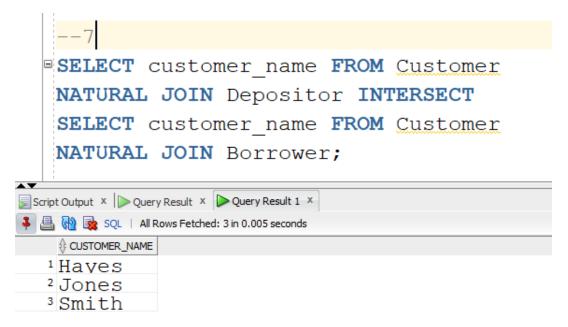
5) Display the account related information based on the descending order of the balance. (order by clause)



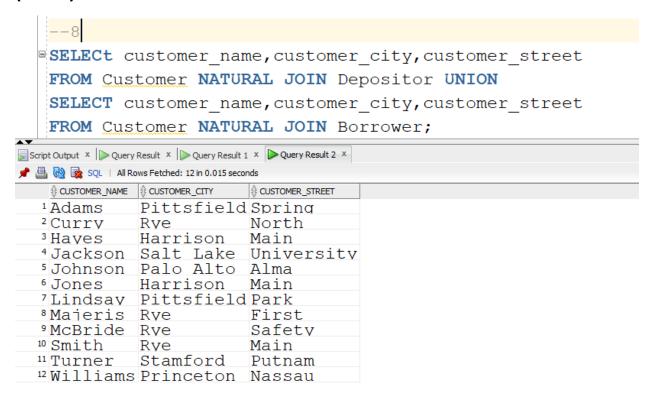
6) Display the customer related information in alphabetic order of customer cities. (order by clause)



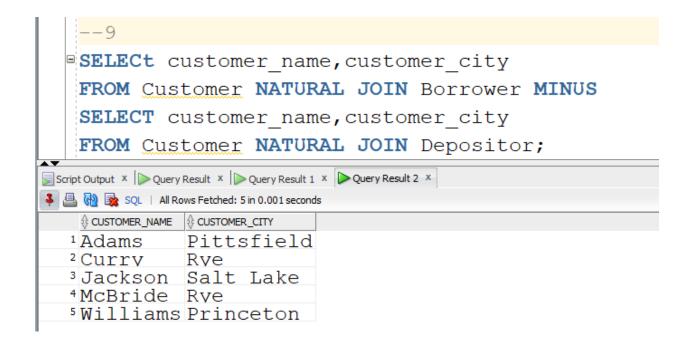
7) Find all customer names who have an account as well as a loan. (intersect)



8) Find all customer related information who have an account or a loan. (union)



9) Find all customer names and their cities who have a loan but not an account. (minus)



10) Find the total assets of all branches. (aggregate function)

```
SELECT SUM(assets) AS TOTAL_ASSETS
FROM Branch;

Script Output × | Query Result × | Query Result 1 × | Query Result 2 × | Query Result 3 ×

SQL | All Rows Fetched: 1 in 0.002 seconds

TOTAL_ASSETS
1 24600480
```

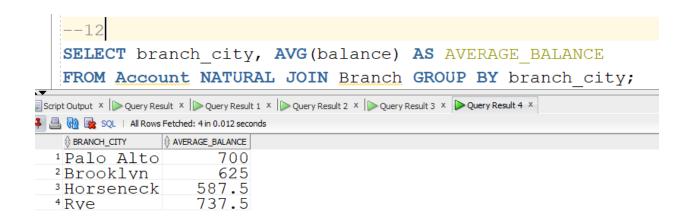
11) Find the average balance of accounts at each branch. (aggregate function)

```
--11
   SELECT branch name, AVG (balance) AS AVERAGE BALANCE
   FROM Account GROUP BY branch name;
Script Output x | Query Result x | Query Result 1 x | Query Result 2 x | Query Result 3 x Query Result 4 x
📍 🚇 🙌 🗽 SQL | All Rows Fetched: 8 in 0.003 seconds

⊕ BRANCH_NAME

                   850
  <sup>1</sup>Central
                           500
  <sup>2</sup> Downtown
                           650
  3 Perryridge
  4 Mianus
                           700
  North Town
                           625
  6 Round Hill
                           350
                           700
  <sup>7</sup>Redwood
  8 Brighton
                          750
```

12) Find the average balance of accounts at each branch city. (aggregate function)



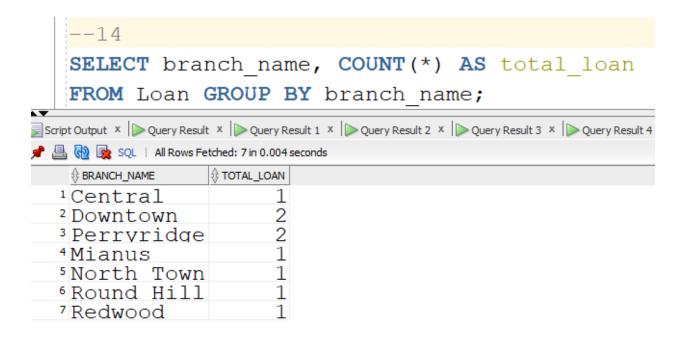
13) Find the lowest amount of loan at each branch. (aggregate function)

```
-13
    SELECT branch name, MIN(amount) AS MINIMUM AMOUNT
    FROM Loan GROUP BY branch name;
Script Output × | ▶ Query Result × | ▶ Query Result 1 × | ▶ Query Result 2 × | ▶ Query Result 3 × | ▶ Query Result 4 × | ▶ Query Result
🧸 🖺 🙌 嫯 SQL | All Rows Fetched: 7 in 0.005 seconds

⊕ BRANCH_NAME

                      ∯ MINIMUM AMOUNT
   <sup>1</sup>Central
   <sup>2</sup> Downtown
                             1000
   3 Perrvridge
                             1300
                              500
   ⁴Mianus
   <sup>5</sup>North Town
                            7500
   <sup>6</sup>Round Hill
                              900
   7 Redwood
                             2000
```

14) Find the total number of loans at each branch. (aggregate function)



15) Find the customer name and account number of the account which has the highest balance. (aggregate function)

```
SELECT customer_name, account_number

FROM Account NATURAL JOIN Depositor

WHERE balance=(SELECT MAX(balance) FROM Account);

Script Output * | Query Result * | Query Result 1 * | Query Result 2 * | Query Result 3 * | Query Result 4 * | Query Result 4 * | Query Result 5 * | Query Result 6 * | Query Result 7 * | Query Result 8 * | Query Result 9 * | Quer
```