1.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```
  10;
-------------------------------------------------------------------
--  Q1: Write a SQL query to retrieve all columns from the employees table.

SELECT
  *
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES";
-------------------------------------------------------------------
```

Results Chart

	ID	FIRST_NAME	LAST_NAME	DEPARTMENT	SALARY	HIRE_DATE	CITY
1	1	John	Doe	IT	55000	2018-06-15	New York
2	2	Jane	Smith	HR	48000	2019-07-20	Chicago
3	3	Mike	Johnson	Finance	60000	2017-09-30	Los Angeles
4	4	Sarah	Brown	IT	53000	2021-03-25	New York
5	5	David	White	Marketing	52000	2016-04-10	San Francisco
6	6	Emily	Davis	IT	62000	2015-02-14	Chicago
7	7	Robert	Wilson	Finance	59000	2019-10-01	Houston
8	8	Jessica	Moore	HR	51000	2018-05-22	Los Angeles
9	9	Daniel	Clark	Marketing	53000	2022-06-01	Chicago
10	10	Laura	Hall	IT	50000	2020-08-10	San Francisco

2.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```

-- Q2: SELECT DISTINCT Statement:
-- Write a SQL query to find all the unique departments in the employees table

SELECT
   DISTINCT (DEPARTMENT)
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES";

```

Results Chart

	DEPARTMENT
1	IT
2	HR
3	Finance
4	Marketing

3.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```
--Q3.ORDER BY Statement
--Write a SQL query to retrieve all employees' first and last names, ordered by salary in descending order.

SELECT
   FIRST_NAME, LAST_NAME
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
  ORDER BY SALARY DESC;
--------------------------------------------------------------------------------
```

Results Chart

	FIRST_NAME	LAST_NAME
1	Emily	Davis
2	Mike	Johnson
3	Robert	Wilson
4	John	Doe
5	Sarah	Brown
6	Daniel	Clark
7	David	White
8	Jessica	Moore
9	Laura	Hall
10	Jane	Smith

4.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```
--------------------------------------------------------------------------------
--Q4. LIMIT Statement
--Write a SQL query to retrieve the top 5 highest-paid employees.

SELECT
   FIRST_NAME, LAST_NAME, SALARY
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
  ORDER BY SALARY DESC
  LIMIT 5;
```

Results Chart

	FIRST_NAME	LAST_NAME	SALARY
1	Emily	Davis	62000
2	Mike	Johnson	60000
3	Robert	Wilson	59000
4	John	Doe	55000
5	Sarah	Brown	53000

5.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```
45  ---------------------------------------------------------------------------
46
47  --Q5. WHERE Statement
48  --Write a SQL query to find employees who work in the IT department.
49
50  SELECT
51     FIRST_NAME, LAST_NAME, DEPARTMENT
52  FROM
53    "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
54    WHERE DEPARTMENT='IT';
55  ---------------------------------------------------------------------------
```

Results Chart

	FIRST_NAME	LAST_NAME	DEPARTMENT
1	John	Doe	IT
2	Sarah	Brown	IT
3	Emily	Davis	IT
4	Laura	Hall	IT

6.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```
56
57  --Q6. AND Statement
58  --Write a SQL query to find employees who work in the Finance department AND have a salary greater than 58,000.
59
60  SELECT
61     *
62  FROM
63    "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
64    WHERE DEPARTMENT='Finance' AND SALARY > 58000;
65
66  ---------------------------------------------------------------------------
```

Results Chart

	ID	FIRST_NAME	LAST_NAME	DEPARTMENT	SALARY	HIRE_DATE	CITY
1	3	Mike	Johnson	Finance	60000	2017-09-30	Los Angeles
2	7	Robert	Wilson	Finance	59000	2019-10-01	Houston

7.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

```
65
66  ---------------------------------------------------------------------------
67  --Q7. OR Statement
68  --Write a SQL query to find employees who work in the HR department OR the Marketing department.
69
70  SELECT
71     *
72  FROM
73    "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
74    WHERE DEPARTMENT ='HR' OR DEPARTMENT='Marketing';
75
```

Results Chart

	ID	FIRST_NAME	LAST_NAME	DEPARTMENT	SALARY	HIRE_DATE	CITY
1	2	Jane	Smith	HR	48000	2019-07-20	Chicago
2	5	David	White	Marketing	52000	2016-04-10	San Francisco
3	8	Jessica	Moore	HR	51000	2018-05-22	Los Angeles
4	9	Daniel	Clark	Marketing	53000	2022-06-01	Chicago

8.

EMPLOYEES.EMPLOYEES_SCHEMA Settings Code Versions

```
--Q8. NOT Statement
--Write a SQL query to find employees who do not work in the IT department.

SELECT
   *
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
  WHERE DEPARTMENT NOT IN ('IT');
```

Results Chart

	ID	FIRST_NAME	LAST_NAME	DEPARTMENT	SALARY	HIRE_DATE	CITY
1	2	Jane	Smith	HR	48000	2019-07-20	Chicago
2	3	Mike	Johnson	Finance	60000	2017-09-30	Los Angeles
3	5	David	White	Marketing	52000	2016-04-10	San Francisco
4	7	Robert	Wilson	Finance	59000	2019-10-01	Houston
5	8	Jessica	Moore	HR	51000	2018-05-22	Los Angeles
6	9	Daniel	Clark	Marketing	53000	2022-06-01	Chicago

Query Details
Query duration 261ms
Rows 6
Query ID 01bc6a09-0001-0773-0...
Show more
ID
2 9

9.

EMPLOYEES.EMPLOYEES_SCHEMA Settings Code Versions

```
--Q9. IN Statement
--Write a SQL query to find employees who are in the HR, IT, or Finance departments.

SELECT
   *
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
  WHERE DEPARTMENT IN ('HR','IT','Finance');
```

Results Chart

	ID	FIRST_NAME	LAST_NAME	DEPARTMENT	SALARY	HIRE_DATE	CITY
1	1	John	Doe	IT	55000	2018-06-15	New York
2	2	Jane	Smith	HR	48000	2019-07-20	Chicago
3	3	Mike	Johnson	Finance	60000	2017-09-30	Los Angeles
4	4	Sarah	Brown	IT	53000	2021-03-25	New York
5	6	Emily	Davis	IT	62000	2015-02-14	Chicago
6	7	Robert	Wilson	Finance	59000	2019-10-01	Houston
7	8	Jessica	Moore	HR	51000	2018-05-22	Los Angeles
8	10	Laura	Hall	IT	50000	2020-08-10	San Francisco

Query Details
Query duration 179ms
Rows 8
Query ID 01bc6a0a-0001-0770-0...
Show more
ID
1 10

10.

EMPLOYEES.EMPLOYEES_SCHEMA Settings

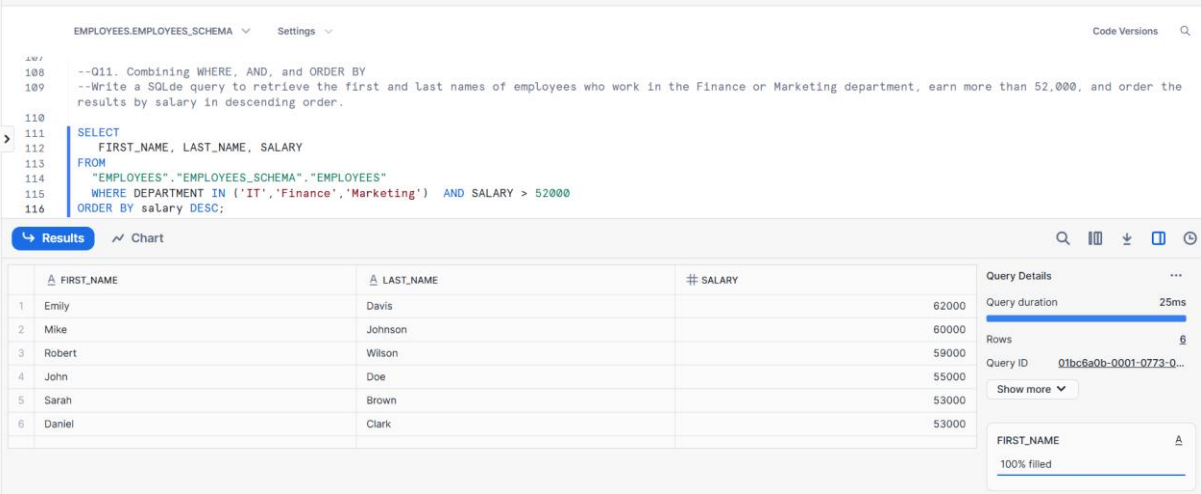
```
--Q10. Combining Conditions
--Write a SQL query to find employees who are in the IT department, have a salary greater than 50,000, and are located in New Yor

SELECT
   *
FROM
  "EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
  WHERE DEPARTMENT = 'IT' AND SALARY > 50000 AND CITY='New York';
```

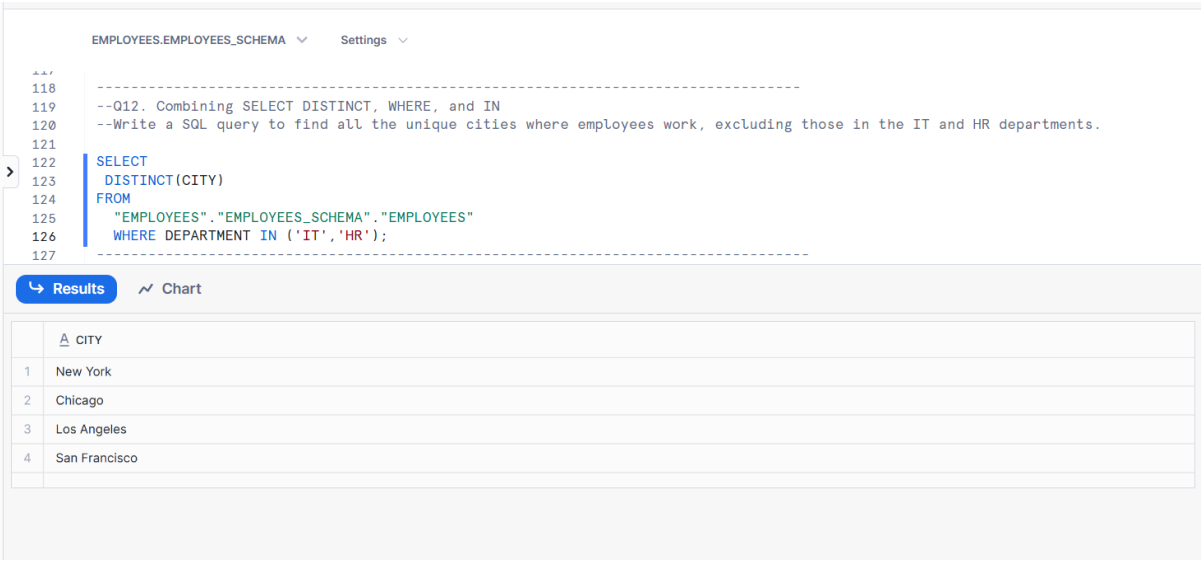
Results Chart

	ID	FIRST_NAME	LAST_NAME	DEPARTMENT	SALARY	HIRE_DATE	CITY
1	1	John	Doe	IT	55000	2018-06-15	New York
2	4	Sarah	Brown	IT	53000	2021-03-25	New York

11.


EMPLOYEES.EMPLOYEES_SCHEMA
Settings
Code Versions
--Q11. Combining WHERE, AND, and ORDER BY
--Write a SQLde query to retrieve the first and last names of employees who work in the Finance or Marketing department, earn more than 52,000, and order the results by salary in descending order.
SELECT
FIRST_NAME, LAST_NAME, SALARY
FROM
"EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
WHERE DEPARTMENT IN ('IT','Finance','Marketing') AND SALARY > 52000
ORDER BY salary DESC;
Results
Chart
FIRST_NAME
LAST_NAME
SALARY
1 Emily Davis 62000
2 Mike Johnson 60000
3 Robert Wilson 59000
4 John Doe 55000
5 Sarah Brown 53000
6 Daniel Clark 53000
Query Details
Query duration 25ms
Rows 6
Query ID 01bc6a0b-0001-0773-0...
Show more
FIRST_NAME
100% filled

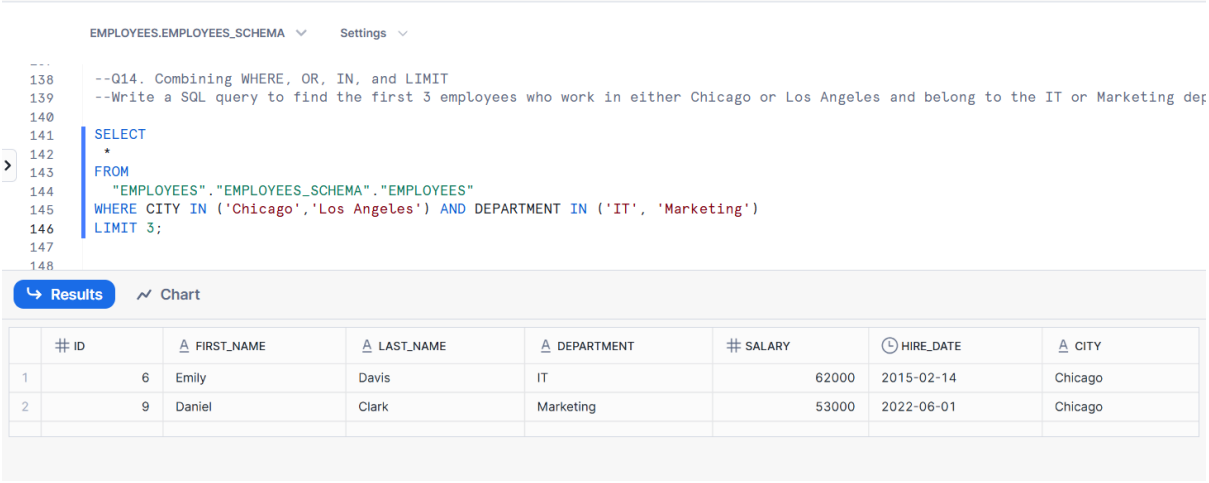
12.


EMPLOYEES.EMPLOYEES_SCHEMA
Settings
--Q12. Combining SELECT DISTINCT, WHERE, and IN
--Write a SQL query to find all the unique cities where employees work, excluding those in the IT and HR departments.
SELECT
DISTINCT(CITY)
FROM
"EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
WHERE DEPARTMENT IN ('IT','HR');
Results
Chart
CITY
1 New York
2 Chicago
3 Los Angeles
4 San Francisco

13.


EMPLOYEES.EMPLOYEES_SCHEMA
Settings
Code Versions
--Q13. Combining WHERE, NOT, AND, and ORDER BY
--Write a SQL query to retrieve employees who are NOT in the Finance department, have a salary greater than 50,000, and order the results by hire date in ascending order.
SELECT
*
FROM
"EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
WHERE DEPARTMENT NOT IN ('Finance') AND SALARY > 50000
ORDER BY HIRE_DATE ASC;
Results
Chart
CITY
1 New York
2 Chicago
3 Los Angeles
4 San Francisco
Query Details
Query duration 86ms
Rows 4
Query ID 01bc6a0d-0001-0658-0...
Show more
CITY
100% filled

14.


EMPLOYEES.EMPLOYEES_SCHEMA
Settings
--Q14. Combining WHERE, OR, IN, and LIMIT
--Write a SQL query to find the first 3 employees who work in either Chicago or Los Angeles and belong to the IT or Marketing dep
SELECT
*
FROM
"EMPLOYEES"."EMPLOYEES_SCHEMA"."EMPLOYEES"
WHERE CITY IN ('Chicago','Los Angeles') AND DEPARTMENT IN ('IT', 'Marketing')
LIMIT 3;
Results
Chart
ID FIRST_NAME LAST_NAME DEPARTMENT SALARY HIRE_DATE CITY
1 6 Emily Davis IT 62000 2015-02-14 Chicago
2 9 Daniel Clark Marketing 53000 2022-06-01 Chicago