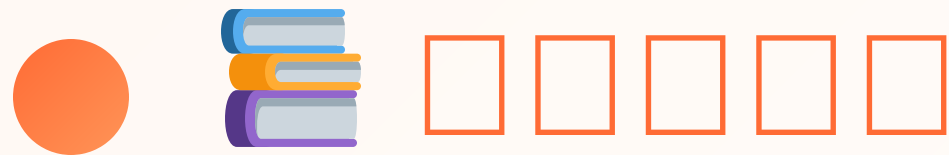


1

DuckDB



DuckDB is a fast, simple, and easy-to-use SQL database.



1. DuckDB

SQL

CSV SQL

UI

2. DuckDB□□□□□

```
# □□□□□□□□□□□□□□□□  
cd sql-study-session  
  
# DuckDB□□□  
duckdb -cmd "INSTALL ui;LOAD ui;CALL start_ui();"
```



□□□□□□□□□□□□□□□□□□□□□□□□DuckDB□□□□□□□□□□□□□□□□□□□□□□□□

3.

3

SQL

Run Ctrl/Cmd + Enter

4. SQL

```
SELECT * FROM 'table' LIMIT 10;
```

SELECT *

FROM 'table'

LIMIT 10

;

5. □□□□□□□□□□

□□□□□□□□□□

customers.csv □□□□□□□7□□

products.csv □□□□□□□5□□□

sales.csv □□□□□□□15□□



1 DuckDB

```
pwd sql-study-session
```

DuckDB

```
Mac/Linux: ./start_duckdb_ui.sh
```

```
Windows: start_duckdb_ui.cmd
```


□□2□sales.csv□□□□5□□□□□

□□□□□□□□□□□□□□

```
SELECT * FROM 'data/sales.csv' LIMIT 5;
```

□□□□□□□□□□□□□□ Ctrl/Cmd + Enter□



customer_id varchar	product_id varchar	quantity int64	order_date varchar
C001	P001	5	2024-01-15
C002	P003	2	2024-01-16
C001	P002	10	2024-01-17
C003	P001	3	2024-01-18
C002	P004	1	2024-01-19

□□3□products.csv□□□□10□□□

□□□□□□□□□□□□□□□□□□□□□□□□

```
SELECT * FROM 'data/products.csv' LIMIT 10;
```

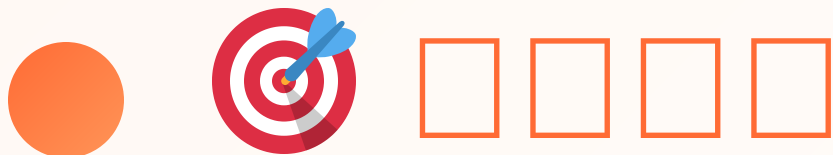
□□□□□□□□□□□□5□□□□□□□□□5□□□□□□□□□□□□

4 customers.csv 3

```
SELECT * FROM 'data/customers.csv' LIMIT 3;
```



Excel



1. LIMIT□□□□□□□□□□□□□□□

```
SELECT * FROM 'data/sales.csv';
```

→ □15□□□□□□□□□□□□□□□

2. LIMIT 1□□□□□□□□

```
SELECT * FROM 'data/products.csv' LIMIT 1;
```

→ □□□1□□□□□□□□

3.

```
SELECT * FROM 'data/test.csv' LIMIT 5;
```





✓ DuckDB `./start_duckdb_ui.sh`

```
start_duckdb_ui.cmd
```

[illegible]

 `SELECT * FROM '□□□□□' LIMIT n;` ☐ ☐ ☐ ☐ ☐

☒ ☐ ☐ ☐ ☐ ☐ ☐ ; ☐ ☐ ☐ ☐ ☐

☒

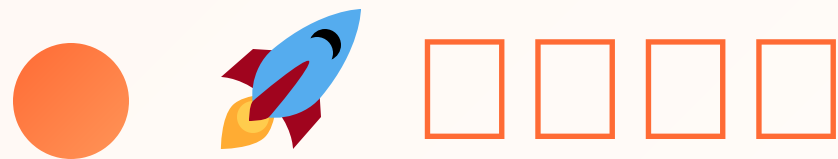
CSV

1 2 3 4 5

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



2



1 LIMIT

LIMIT

```
-- sales.csv 8
-- 
-- products.csv 2
-- 
-- customers.csv LIMIT
-- 
```

□□2□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□□□□

```
-- 1. □□□□□□□□□□□□□□  
SELECT * FROM 'data\sales.csv' LIMIT 5;  
  
-- 2. □□□□□□□□□□  
SELECT * FROM 'data/sale.csv' LIMIT 5;  
  
-- 3. □□□□□□□□  
SELECT * FROM 'data/sales' LIMIT 5;
```

□□3□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□

-- □□□□□□

SELECT * **FROM** 'data/customers.csv' **LIMIT** 1;

-- 2□□□□□□

SELECT * **FROM** 'data/customers.csv' **LIMIT** 2;

-- 3□□□□□□

SELECT * **FROM** 'data/customers.csv' **LIMIT** 3;



```
-- sales.csv文件5行数据，每行数据由10个数字组成
-- 将这4行数据ORDER BY 升序排列
```

● ? FAQ

Q:

A: URL

Q:

A: ; Ctrl/Cmd + Enter

Q:

A: UTF-8