□2□□□□□□□ - SELECT □□

□□□□□□□□□□□□□□□

□□□□□□

✅ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]

1. [illegible]

[illegible]

[illegible]

2. SELECT□□□□

```
-- □□□
SELECT □□1, □□2 FROM '□□□□□';

-- □□□□□□□
SELECT customer_id, product_id, quantity FROM 'data/sales.csv';

-- □□□□□□□□□AS□
SELECT customer_name AS □□□ FROM 'data/customers.csv';
```

3. □□□□

□□□□□□□,□□□□□

□□□□□□□□□□□□□□□

AS □□□□□□□□□□□□□□□□□□□□□□□□□□□□OK□□

4. DuckDB□□□□□□□□

□□□□□□□□□□□□□□□

□□□□□□□□□□□□

□□□□□□□□□□□□□□□□

🔵 💻 □□□□□

□□1□sales.csv□□□□□ID□□□□□□□□□□□□

□□□□□□□□□□□□

```
SELECT product_id, quantity FROM 'data/sales.csv';
```

□□□□□□□□□□□□□□□□ Ctrl/Cmd + Enter□

□□□□□

2□□□□□□□□□

□15□□□□□□□□□

□□□□customer_id, order_date□□□□□□□□

□□2□products.csv□□□□□□□□□□□□□□□

```
SELECT product_name, price FROM 'data/products.csv';
```

💡 □□□□□□□

□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□

□□3□customers.csv□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□

```
SELECT customer_name AS □□□ FROM 'data/customers.csv';
```

□□□□□□

```
SELECT
    customer_id AS □□□□□,
    customer_name AS □□□,
    email AS □□□□□□□
FROM 'data/customers.csv';
```

💡 □□□□□

□□□□□□□□□□□□

□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□

🎯 □□□□

1. □□□□□□□□□□□□

```sql
-- □□□□□□□□□□□□
SELECT order_date, customer_id, quantity
FROM 'data/sales.csv'
LIMIT 5;
```

2. □□□□2□□□□□□□□□

```
SELECT price, product_name, price
FROM 'data/products.csv';
```

→ price□2□□□□□□□□□□□

3. □□□□□□□□□□□□

```
SELECT
    product_name AS □□□,
    price AS □□,
    category AS □□□□□
FROM 'data/products.csv'
ORDER BY price DESC;
```

□ORDER BY□□4□□□□□□□□□□

🔍 □□□□□□□

□□□1□□□□□□□□

```
-- □□□□□□□□□□□□□
SELECT
    order_date AS □□□,
    product_id AS □□□□□,
    quantity AS □□□
FROM 'data/sales.csv'
LIMIT 10;
```

□□□2□□□□□□□□□□□□

```sql
-- □□□□□□□□□
SELECT
    customer_name AS □□,
    email AS □□□□□□□
FROM 'data/customers.csv';
```

💡 □□□□

□□□□□□□□□□□□□Excel□□□□□□□

□□□□□□□□□□□□□□□□□□□□

□□□□□□

□□□□□□□□□

```
-- □□□□□□□□□
SELECT customername FROM 'data/customers.csv';
```

⚠️ □□□□□□□□□□□column "customername" does not exist□□□□□□□

→ □□□□ `customer_name`□□□□□□□□□□□□

□□□□□□□□□□□□□

```
SELECT customer_id, phone FROM 'data/customers.csv';
```

⚠️ phone□□□□□□□□□□□□□□□□

 □□□□□□

□□□□□□□□

- ✅ `SELECT □□1, □□2 FROM ...` □□□□□□□□□□
- ✅ □□□□□□□□□□
- ✅ `AS` □□□□□□□□□□□□□□
- ✅ □□□□□□□□□□□□□
- ✅ □□□□□□□□□□□□□□□

□□□□□□□□

```
-- □□□□1□□□□□□□□□
SELECT customer_id, customer_name
FROM 'data/customers.csv';

-- □□□□2□□□□□□□□□□□□
SELECT
    customer_id AS □□ID,
    customer_name AS □□□
FROM 'data/customers.csv';
```

🚀 □□□□

□3□□□□WHERE□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□□□

□□□□

□□1□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□□

```
-- 1. customers.csv□□□□ID□□□□□□□□□□□□□□
-- □□□□□□□□□□□□□□□□□□

-- 2. products.csv□□□□□□□□□□□□□□□□□□□□□
-- □□□□□□□□□□□□□□□□□□

-- 3. sales.csv□□□□□□□□□□□□
-- □□□□□□□□□□□□□□□□□□
```

□□2□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□

```
-- □□□□□□□□□□□□□□□□□□
SELECT
    customer_id AS ___,   -- □□□□□□□□□□□□□□
    customer_name AS ___,   -- □□□□□□□□□□□□□□
    address AS ___   -- □□□□□□□□□□□□□
FROM 'data/customers.csv';
```

□□2□□□□

```
-- □□□□□□□□□□□□□
SELECT
    product_name AS □□□,
    ___ AS □□□□,  -- price□□□□□□□□
    ___ AS □□□□   -- category□□□□□□□□
FROM 'data/products.csv';
```

□□3□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□

```
-- 1. □□□□□□□□□□□□□□□□□□□□ID□□□
-- □□□□□□□□□□□□□□□□□□□□

-- 2. □□□□□□□□□□□□□□□□□□□□
-- □□□□□□□□□□□□□□□□□□□□
```

□□4□□□□□□□□□□□

□□□□□□□□□□□□□□□□□□□□□□

```
-- □□□1□□□□□□
SELECT customer_id customer_name FROM 'data/customers.csv';

-- □□□2□□□□□□□□
SELECT id, name FROM 'data/customers.csv';

-- □□□3□AS□□□□□□
SELECT customer_name □□□ AS FROM 'data/customers.csv';
```

🎯 □□□□□□□

```
-- sales.csv□□□□□□□□□□□□□□□□□□□□□□□□
-- □2024□1□○□□□□○○○□□□○○○□○□□□□
-- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
```

💡 □□□□□□□□□□□□□□□

```
-- sales.csv□products.csv□□□□□□□□□□□JOIN□□□□□□
-- □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
-- □□□□□□□□□□□□□□□□□
```

FAQ

Q: □□□□□□□□□□□□□□□□□□

A: DuckDB□□□□□□□□□□ `customer_id` □ `CUSTOMER_ID` □□□□□□

Q: AS □□□□□□□

A: □□□□□□□□□□□□□□□□AS□□□□□□□□□□□□

Q: □□□□□□□□□□□□□□□□

A: CSV□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□