

1.

The screenshot shows the SQLite IDE interface. The central SQL editor contains the following code:

```
1 CREATE TABLE Shopping_List (ID INTEGER PRIMARY KEY AUTOINCREMENT,Product_Name VARCHAR (20),Price INTEGER,Quantity INTEGER)
2
```

The table 'Shopping_List' is displayed with the following data:

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20
6	tea	1	100
7	computer	10000	2
8	phone	500	1
9	table	10	2
10	pineapple	50	20

The right-hand panel shows three execution logs, each with a syntax error message:

- Log 1: `SELECT id,product_name,price,quantity` (13:08:41)
- Log 2: `INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000) SELECT id,product_name,price,quantity` (13:08:03)
- Log 3: `INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000)` (13:07:55)

Each log has a red box highlighting the error message: "Help: near 'SELECT': syntax error".

The screenshot shows the SQLite IDE interface. The central SQL editor contains the following code:

```
1 INSERT INTO Shopping_List (id,product_name,price,quantity)
2 VALUES (1,"apple",5,1000)
3
4
5
6
```

The table 'Shopping_List' is displayed with the following data:

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20
6	tea	1	100

The right-hand panel shows three execution logs, each with a syntax error message:

- Log 1: `SELECT id,product_name,price,quantity` (13:08:41)
- Log 2: `INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000) SELECT id,product_name,price,quantity` (13:08:03)
- Log 3: `INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000)` (13:07:55)

Each log has a red box highlighting the error message: "Help: near 'SELECT': syntax error".

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SQLite 0.0.4 beta

Table demo Shopping_List

Column ID INTEGER Product_Name VARCHAR(255) Price INTEGER Quantity INTEGER sqlite_sequence

1 2 3 4

```
1 SELECT id,product_name,price,quantity FROM Shopping_List
```

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20
6	tea	1	100
7	computer	10000	2
8	phone	500	1
9	table	10	2
10	pineapple	50	20

BUY

ADS

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Sign In

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (2,"tomato",10,20), (3,"strawberry",10,30), (4,"beer",5,20), (5,"brandy",10,20), (6,"tea",1,100), (7,"computer",10000,2), (8,"phone",500,1), (9,"table",10,2), (10,"pineapple",50,20)
```

Help: incomplete input 13:26:10

SQLite

```
SELECT id,product_name,price,quantity FROM Shopping_List
```

13:08:41

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000) SELECT id,product_name,price,quantity FROM Shopping_List
```

Help: near "SELECT": syntax error 13:08:03

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000) SELECT id,product_name,price,quantity FROM Shopping_List
```

Help: near "SELECT": syntax error 13:07:55

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000)
```

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Table demo Shopping_List

Column ID INTEGER Product_Name VARCHAR(255) Price INTEGER Quantity INTEGER sqlite_sequence

1 2 3 4

```
1 INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (2,"tomato",10,20), (3,"strawberry",10,30), (4,"beer",5,20), (5,"brandy",10,20), (6,"tea",1,100), (7,"computer",10000,2), (8,"phone",500,1), (9,"table",10,2), (10,"pineapple",50,20)
```

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20
6	tea	1	100
7	computer	10000	2
8	phone	500	1
9	table	10	2
10	pineapple	50	20

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Sign In

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (2,"tomato",10,20), (3,"strawberry",10,30), (4,"beer",5,20), (5,"brandy",10,20), (6,"tea",1,100), (7,"computer",10000,2), (8,"phone",500,1), (9,"table",10,2), (10,"pineapple",50,20)
```

Help: incomplete input 13:26:10

SQLite

```
SELECT id,product_name,price,quantity FROM Shopping_List
```

13:08:41

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000) SELECT id,product_name,price,quantity FROM Shopping_List
```

Help: near "SELECT": syntax error 13:08:03

SQLite

```
INSERT INTO Shopping_List (id,product_name,price,quantity) VALUES (1,"apple",5,1000)
```

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Table

- demo
- Shopping_List

Column

- ID INTEGER
- Product_Name VARCHAR
- Price INTEGER
- Quantity INTEGER
- sqlite_sequence

1 SELECT * FROM Shopping_List

2

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20
6	tea	1	100
7	computer	10000	2
8	phone	500	1
9	table	10	2
10	pineapple	50	20

BUY

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History

Syntax | History

SQLite CREATE TABLE Shopping_List (ID INTI ...

Help: table Shopping_List already exists 13:33:06

SQLite SELECT * FROM Shopping_List

13:30:43

SQLite SELECT FROM Shopping_List

Help: near "FROM": syntax error 13:28:24

SQLite INSERT INTO Shopping_List VALUES (2,"tomato",10,20), (3,"str...

13:26:48

SQLite INSERT INTO Shopping_List VALUES (2,"tomato",10,20), (3,"str...

13:26:10

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SQLite 0.0.4 beta

Table

- demo
- Shopping_List

Column

- ID INTEGER
- Product_Name VARCHAR
- Price INTEGER
- Quantity INTEGER
- sqlite_sequence

1 SELECT * FROM Shopping_List

2

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20
6	tea	1	100
7	computer	10000	2
8	phone	500	1
9	table	10	2
10	pineapple	50	20

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History

Syntax | History

SQLite SELECT * FROM Shopping_List

13:30:43

SQLite SELECT FROM Shopping_List

Help: near "FROM": syntax error 13:28:24

SQLite INSERT INTO Shopping_List VALUES (2,"tomato",10,20), (3,"str...

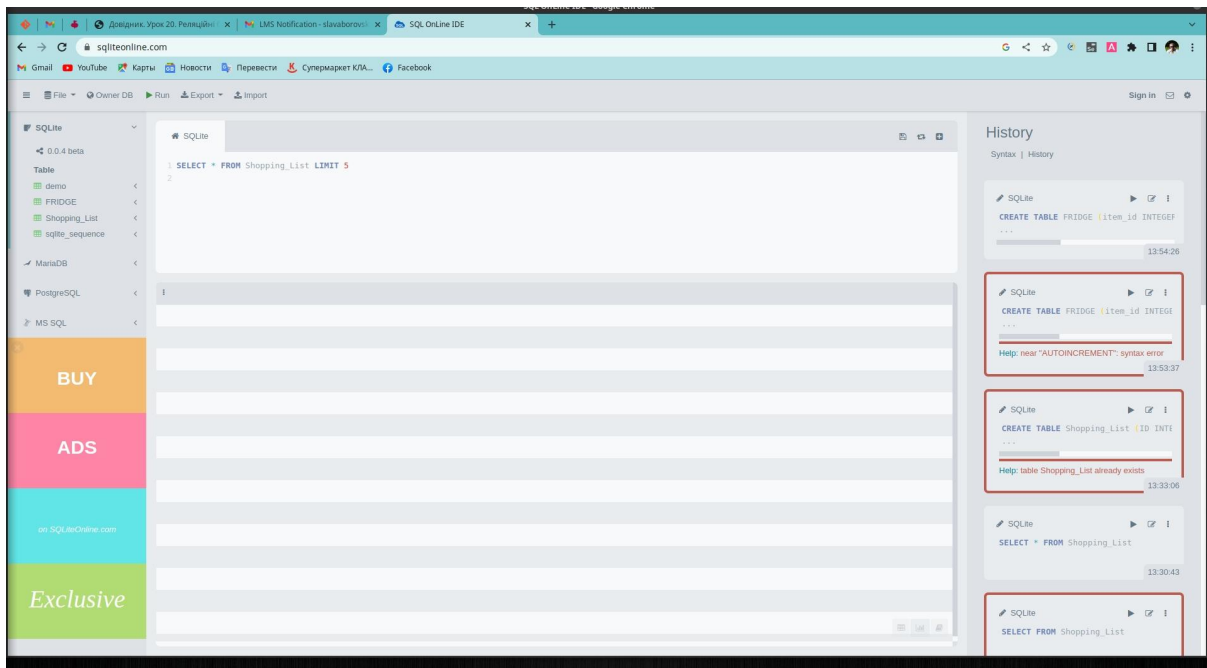
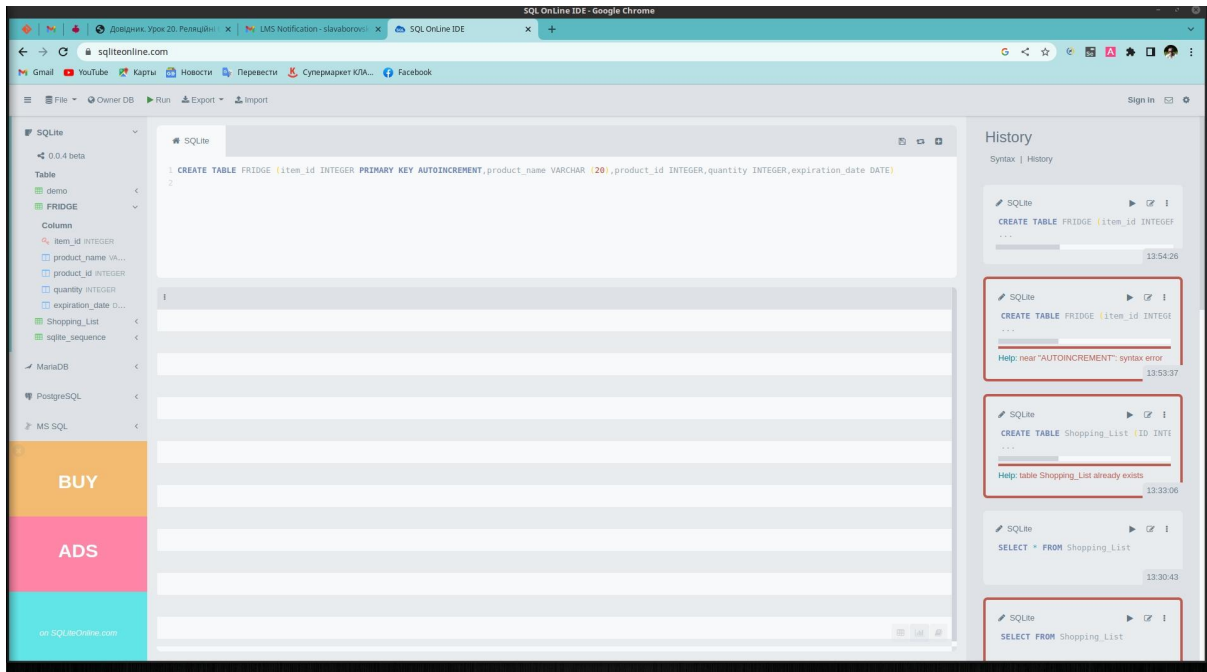
13:26:48

SQLite INSERT INTO Shopping_List VALUES (2,"tomato",10,20), (3,"str...

Help: incomplete input 13:26:10

SQLite

2.



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SQLite Online IDE

SQLite

```
1 SELECT * FROM Shopping_List LIMIT 5
2
```

ID	Product_Name	Price	Quantity
1	apple	5	1000
2	tomato	10	20
3	strawberry	10	30
4	beer	5	20
5	brandy	10	20

History

SQLite

```
SELECT * FROM Shopping_List LIMIT 5
```

14:01:04

SQLite

```
CREATE TABLE FRIDGE (item_id INTEGER
...
```

13:54:26

SQLite

```
CREATE TABLE FRIDGE (item_id INTEGE
...
```

Help: near "AUTOINCREMENT": syntax error

13:53:37

SQLite

```
CREATE TABLE Shopping_List (ID INTE
...
```

Help: table Shopping_List already exists

13:33:06

SQLite

```
SELECT * FROM Shopping_List
```

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SQLite Online IDE

SQLite

```
1 INSERT INTO FRIDGE VALUES
2 (1, "brandy", 5, 2, 2100-12-31),
3 (2, "beer", 4, 3, 2022-11-30),
4 (3, "strawberry", 3, 5, 2022-11-12),
5 (4, "tomato", 2, 5, 2022-11-20),
6 (5, "apple", 1, 500, 2022-12-31)
7
```

ID
1

History

SQLite

```
INSERT INTO FRIDGE VALUES
(1, "brandy", 5, 2, 2100-12-31),
(2, "beer", 4, 3, 2022-11-30),
(3, "strawb
...
```

14:23:54

SQLite

```
SELECT * FROM Shopping_List LIMIT 5
```

14:01:04

SQLite

```
CREATE TABLE FRIDGE (item_id INTEGE
...
```

13:54:26

SQLite

```
CREATE TABLE FRIDGE (item_id INTEGE
...
```

Help: near "AUTOINCREMENT": syntax error

13:53:37

SQLite

```
CREATE TABLE Shopping_List (ID INTE
...
```

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Table

- demo
- FRIDGE
- Shopping_List
- sqlite_sequence

MariaDB

PostgreSQL

MS SQL

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Exclusive

```
1 SELECT * FROM FRIDGE
2
```

Item_id	product_name	product_id	quantity	expiration_date
1	brandy	5	2	2057
2	beer	4	3	1981
3	strawberry	3	5	1999
4	tomato	2	5	1991
5	apple	1	500	1979

History

Syntax | History

SQLite

```
SELECT * FROM FRIDGE
```

14:25:38

SQLite

```
INSERT INTO FRIDGE VALUES
(1, "brandy", 5, 2, 2100-12-31),
(2, "beer", 4, 3, 2022-11-30),
(3, "strawb
---
```

14:23:54

SQLite

```
SELECT * FROM Shopping_List LIMIT 5
```

14:01:04

SQLite

```
CREATE TABLE FRIDGE (item_id INTEGER
---
```

13:54:26

SQLite

```
CREATE TABLE FRIDGE (item_id INTEGE
---
```

Help: near "AUTOCREMENT": syntax error

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Table

- demo
- FRIDGE
- Shopping_List
- sqlite_sequence

MariaDB

PostgreSQL

MS SQL

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Exclusive

```
1 SELECT Shopping_List.id, Shopping_List.product_name, Shopping_List.price, FRIDGE.item_id, FRIDGE.expiration_date
2 FROM Shopping_List
3 INNER JOIN FRIDGE
4 ON Shopping_List.id=FRIDGE.product_id
5
```

ID	Product_Name	Price	Item_id	expiration_date
5	brandy	10	1	2057
4	beer	5	2	1981
3	strawberry	10	3	1999
2	tomato	10	4	1991
1	apple	5	5	1979

History

Syntax | History

SQLite

```
SELECT Shopping_List.id, Shopping_Li
---
```

14:44:44

SQLite

```
SELECT Shopping_List.id, Shopping_Li
---
```

Help: no such column: Shopping_List
Table - [FRIDGE] column: item_id,
product_name, product_id, quantity,
expiration_date
Table - [Shopping_List] column: ID,
Product_Name, Price, Quantity

14:41:32

SQLite

```
SELECT * FROM FRIDGE
```

14:25:38

SQLite

```
INSERT INTO FRIDGE VALUES
(1, "brandy", 5, 2, 2100-12-31),
(2, "beer", 4, 3, 2022-11-30),
(3, "strawb
---
```

14:23:54

SQLite 0.0.4 beta

Table

demo

FRIDGE

Shopping_List

sqlite_sequence

MariaDB

PostgreSQL

MS SQL

BUY

ADS

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Exclusive

SQLite

```
1 SELECT *
2 FROM Shopping_List
3 INNER JOIN FRIDGE
4 ON Shopping_List.id=FRIDGE.product_id
5
```

ID	Product_Name	Price	Quantity	Item_id	product_name	product_id	quantity	expiration_date
5	brandy	10	20	1	brandy	5	2	2057
4	beer	5	20	2	beer	4	3	1981
3	strawberry	10	30	3	strawberry	3	5	1999
2	tomato	10	20	4	tomato	2	5	1991
1	apple	5	1000	5	apple	1	500	1979

History

Syntax | History

SQLite

```
SELECT *
FROM Shopping_List
INNER JOIN FRIDGE
ON Shopping_List.id=FRIDGE.product_id
```

14:47:33

SQLite

```
SELECT Shopping_List.id, Shopping_List
...
```

14:44:44

SQLite

```
SELECT Shopping_List id, Shopping_List
...
```

Help: no such column: Shopping_List

Table - [FRIDGE] column: item_id,

product_name, product_id, quantity,

expiration_date

Table - [Shopping_List] column: ID,

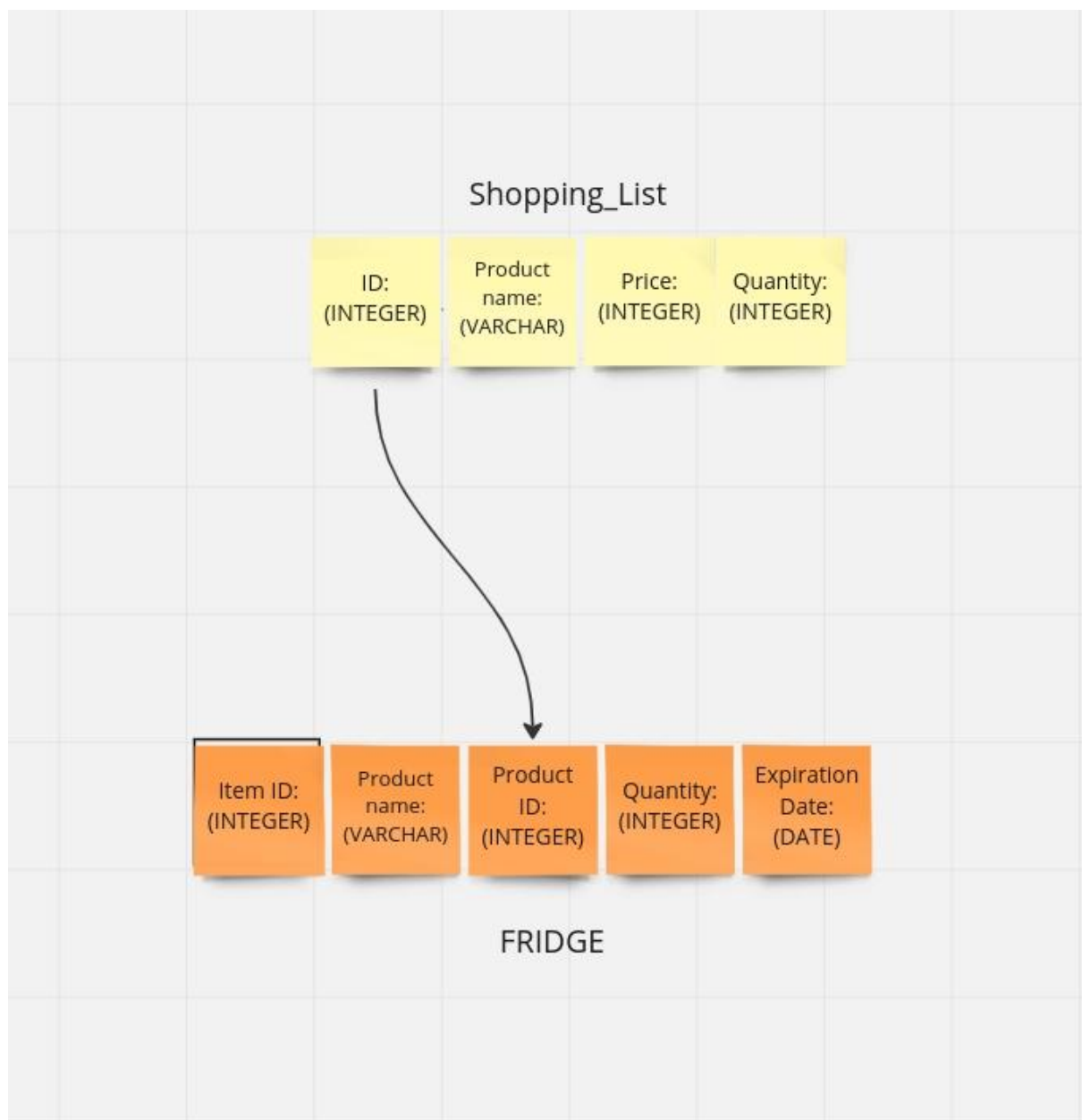
Product_Name, Price, Quantity

14:41:32

SQLite

```
SELECT * FROM FRIDGE
```

14:25:38



Я не правильно понял вопрос. Здесь отношение 1- много: один список продуктов может использовать много холодильников

3.

The screenshot displays the SQLiteOnline IDE web application in a Google Chrome browser. The interface is divided into several sections:

- Left Sidebar:** Contains a tree view of the database structure. It shows a database named 'demo' with a table 'FRIDGE'. The 'FRIDGE' table has columns: item_id (INTEGER), product_name (VARCHAR), product_id (INTEGER), quantity (INTEGER), expiration_date (DATE), and sqlite_sequence. Below the table list, there are buttons for 'BUY' (orange) and 'ADS' (pink).
- Main Editor:** Displays the SQL editor with the following code:

```
1 INSERT INTO FRIDGE
2 VALUES (6,"meat",11,1,2022-11-15), (7,"sausage",12,5,2022-12-29), (8,"cheese",13,1,2022-12-30), (9,"egg",14,30,2023-01-31), (10,"fish",15,4,2022-11-15)
3
4
5
6
```
- Right Panel:** Titled 'History', it shows a list of executed SQL queries with their execution times.
 - Query 1: `INSERT INTO FRIDGE VALUES (6,"meat",11,1,2022-11-15), ...` (15:28:01)
 - Query 2: `SELECT * FROM Shopping_List INNER JOIN FRIDGE ON Shopping_List.id=FRIDGE.product_id` (14:47:33)
 - Query 3: `SELECT Shopping_List.id, Shopping_List...` (14:44:44)The third query is highlighted with a red border. Below the queries, a 'Help' section provides information about the tables and columns used in the queries.

SQLite Online IDE - Google Chrome

SQLite Online IDE

SQLite 0.0.4 beta

Table: demo, FRIDGE

Column: item_id INTEGER, product_name VARCHAR, product_id INTEGER, quantity INTEGER, expiration_date DATE, Shopping_List, sqlite_sequence

SELECT * FROM FRIDGE

Item_id	product_name	product_id	quantity	expiration_date
1	brandy	5	2	2057
2	beer	4	3	1981
3	strawberry	3	5	1999
4	tomato	2	5	1991
5	apple	1	500	1979
6	meat	11	1	1996
7	sausage	12	5	1981
8	cheese	13	1	1980
9	egg	14	30	1991
10	fish	15	4	1996

BUY

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SQLite

```
INSERT INTO Shopping_List (id,prod VALUES (1,"apple",5,1000)
```

Help: UNIQUE constraint failed: Shopping_List.id

13:23:57

SQLite

```
INSERT INTO Shopping_List (id,prod VALUES (1,"apple",5,1000)
```

Help: UNIQUE constraint failed: Shopping_List.id

13:22:22

SQLite

```
INSERT INTO FRIDGE VALUES (6,"meat",11,1,2022-11-15), ...
```

15:28:01

SQLite

```
SELECT * FROM Shopping_List INNER JOIN FRIDGE ON Shopping_List.id=FRIDGE.product_id
```

14:47:33

SQLite Online IDE - Google Chrome

SQLite Online IDE

SQLite 0.0.4 beta

Table: demo, FRIDGE

Column: item_id INTEGER, product_name VARCHAR, product_id INTEGER, quantity INTEGER, expiration_date DATE, Shopping_List, sqlite_sequence

SELECT * FROM FRIDGE WHERE product_id NOT IN (SELECT id FROM Shopping_List WHERE id IS NOT NULL)

Item_id	product_name	product_id	quantity	expiration_date
6	meat	11	1	1996
7	sausage	12	5	1981
8	cheese	13	1	1980
9	egg	14	30	1991
10	fish	15	4	1996

BUY

ADS

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History

Syntax | History

SQLite

```
SELECT * FROM FRIDGE WHERE product_id NOT IN (SELECT id FROM Shopping_List WHERE id IS NOT NULL)
```

14:40:09

SQLite

```
SELECT * FROM FRIDGE WHERE product_id NOT IN (SELECT id FROM Shopping_List WHERE id IS NOT NULL)
```

Help: near "0": syntax error

14:39:32

SQLite

```
SELECT * FROM FRIDGE WHERE product_id NOT IN (SELECT id FROM Shopping_List WHERE id IS NOT NULL)
```

Help: incomplete input

14:38:33

SQLite

```
SELECT * FROM FRIDGE RIGHT JOIN Shopping_List ON Shopping_List.id = FRIDGE.product_id WHERE Shopping_List.id IS NOT NULL
```

14:38:33