

1. Виконай запит, який виведе всі продукти, що починаються з літери А (у таблиці Shopping_List)

The screenshot shows a database management tool interface. On the left, the 'SCHEMAS' pane displays a tree view with 'lesson_21' expanded, showing 'fridge' and 'shopping_list' tables. The 'Information' pane at the bottom left shows the structure of the 'fridge' table.

The main query editor displays the following SQL code:

```
1 • use Lesson_21;
2 • SELECT * FROM shopping_list;
3 • SELECT min(Price) as SmallestPrice FROM Shopping_List;
4 • SELECT AVG(Price) FROM Shopping_List;
5 • SELECT SUM(Quantity) FROM Shopping_List;
6 • SELECT * FROM shopping_list
7 • where Product_Name like 'o%';
```

The 'Result Grid' shows the following data:

ID	Product_Name	Price	Quantity
5	orange	80	2kg
11	onion	20	3kg
NULL	NULL	NULL	NULL

The 'Output' pane at the bottom right shows the execution log:

#	Time	Action
31	17:16:18	SELECT * FROM shopping_list LIMIT 0, 1000
32	17:19:03	SELECT * FROM shopping_list where Product_Name like 'o%' LIMIT 0, 10

2. За допомогою оператора JOIN зроби запит, щоб знайти продукти зі списку покупок, які вже наявні в холодильнику.

Navigator: SCHEMAS

- Filter objects
- lesson_21
 - Tables
 - fridge
 - shopping_list
 - Views
 - Stored Procedures
 - Functions
- sakila
- sys
- world

Administration Schemas

Information: No object selected

Object Info Session

Query 1 SQL File 3* join* x lesson_21.fridge fridge shopping_list

```

1 • use Lesson_21;
2 • SELECT * FROM shopping_list;
3 • SELECT * FROM fridge;
4 • SELECT shopping_list.ID, shopping_list.Product_Name, fridge.Product_Name, fridge.Product_ID
5 • from shopping_list
6 • inner join fridge
7 • on shopping_list.ID = fridge.Product_ID;

```

Result Grid

ID	Product_Name	Product_Name	Product_ID
1	grape	grape	1
2	cheese	cheese	2
3	milk	milk	3
4	chicken	chicken	4
5	orange	orange	5
7	potato	potato	7
8	butter	butter	8
9	juice	juice	9
10	water	water	10
11	onion	onion	11

Result 14 x

Output

Action Output

#	Time	Action	Message
16	20:58:47	SELECT shopping_list.Product_Name, fridge.Product_Name from shopping_list inner join frid...	10 row(s) returned
17	21:05:50	SELECT shopping_list.ID, shopping_list.Product_Name, fridge.Product_Name, fridge.Product...	10 row(s) returned

3. Відобрази інформацію про продукти, яких немає в холодильнику і які треба купити (з таблиць Shopping_List та Fridge).

Navigator: SCHEMAS

- Filter objects
- lesson_21
 - Tables
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- world

Administration Schemas

Information: No object selected

Object Info Session

Query 1 SQL File 3* join* x SQL File 7* orders fridge shopping_list

```

4 • SELECT shopping_list.Product_Name as Shoplist, fridge.Product_Name as Fridgelist, fridge.Item_ID
5 • from fridge
6 • left join shopping_list
7 • on shopping_list.ID = fridge.Product_ID
8 • where shopping_list.Product_Name is null;
9
10

```

Result Grid

Shoplist	Fridgelist	Item_ID
NULL	tomato	15
NULL	olive oil	16
NULL	fish	17
NULL	carrot	23
NULL	pineapple	24
NULL	cucumber	25
NULL	banana	26
NULL	cabbage	27

Result 26 x

Output

Action Output

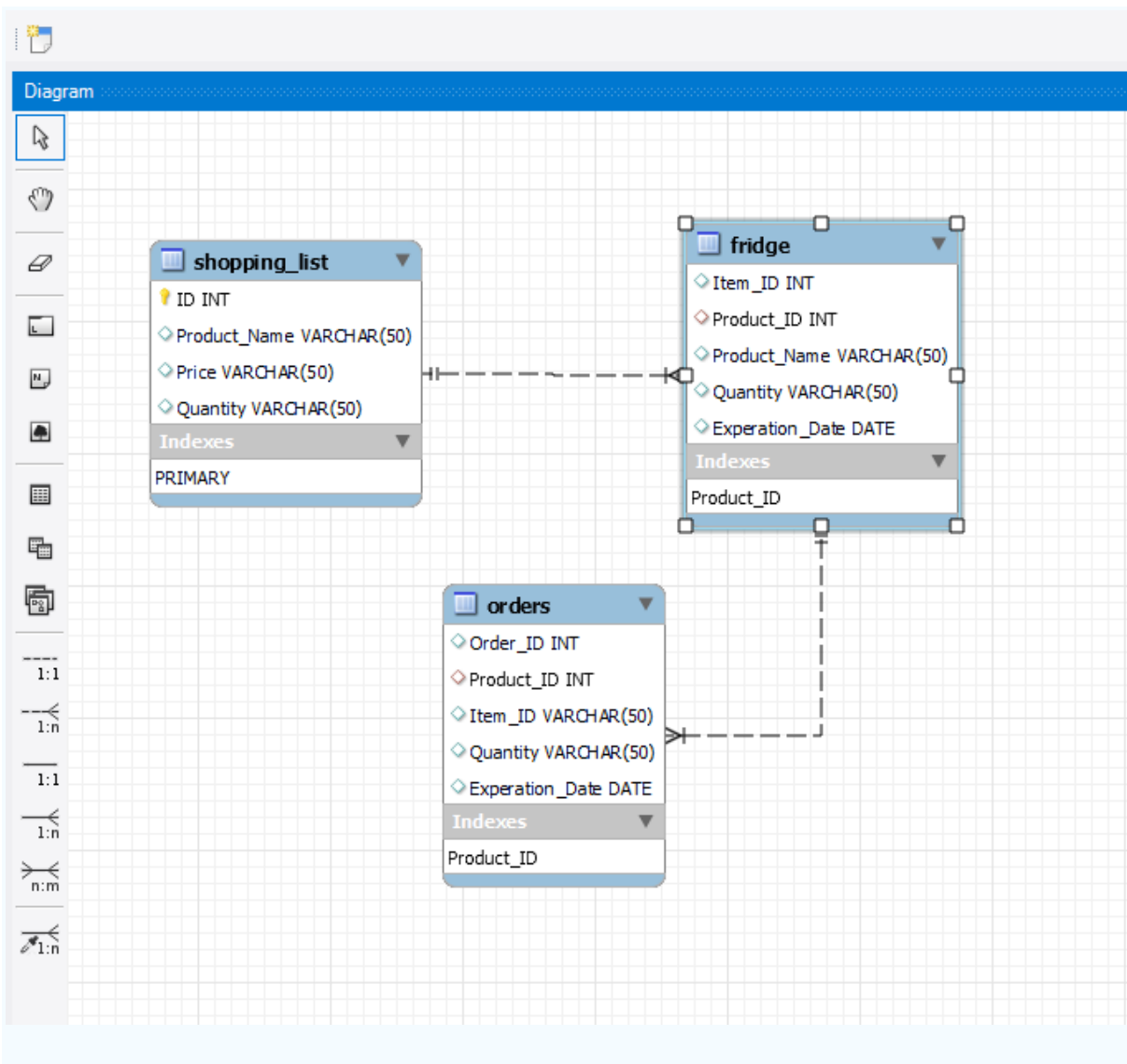
#	Time	Action	Message
44	22:20:39	SELECT * FROM orders LIMIT 0, 1000	5 row(s) returned
45	22:25:32	SELECT shopping_list.Product_Name as Shoplist, fridge.Product_Name as Fridgelist, fridge.It...	8 row(s) returned

4. Створи таблицю Order в наявній базі даних з полями (Order_ID, Product_ID, Item_ID, Date, Quantity):
 - Додай до неї продукти, що треба замовити (наповнюй її даними згідно тих колонок, які маєш).
 - Пов'яжи цю таблицю з попередніми двома.
 - Додай в неї всі продукти, які є в таблицях Shopping_List та Fridge.

The screenshot shows a database management interface with a sidebar on the left and a main workspace on the right. The sidebar displays a tree view of the database schema, including a 'lesson_21' database with tables 'fridge', 'orders', and 'shopping_list'. The main workspace shows a query editor with the text 'SELECT * FROM orders;' and a 'Result Grid' displaying the data from the 'orders' table.

Order_ID	Product_ID	Item_ID	Quantity	Expiration_Date
11	1	grape	90	2023-12-20
12	2	zucchini	80	2023-10-17
13	3	sausage	250	2023-12-15
14	4	cabbage	20	2024-01-14
15	5	cucumber	35	2023-11-08
16	6	salmon	800	2023-12-12
17	7	cherry	150	2024-01-18
18	8	avocado	150	2023-12-23
19	9	lime	250	2023-12-01
20	10	cranberry	300	2023-12-30

Below the 'Result Grid', there is an 'Output' section showing the execution of the query. It includes a table with columns '#', 'Time', and 'Action'. The first row shows a successful execution of the query 'SELECT shopping_list.Product_Name, fridge.Product_ID from fridge right join shopping_list' at 19:23:09.



Navigator: Query 1 SQL File 3* join* SQL File 7* shopping_list orders x fridge

HEMAS

Filter objects

lesson_21

- Tables
 - fridge
 - orders
 - shopping_list
- Views
- Stored Procedures
- Functions

sakila

sys

world

Administration Schemas

Information:

No object selected

1 • `SELECT * FROM orders;`

Result Grid Filter Rows: Export: Wrap Cell Content:

	Order_ID	Product_ID	Item_ID	Quantity	Expiration_Date
▶	11	1	grape	90	2023-12-20
	12	2	zucchini	80	2023-10-17
	13	3	sausage	250	2023-12-15
	14	4	cabbage	20	2024-01-14
	15	5	cucumber	35	2023-11-08
	16	6	salmon	800	2023-12-12
	17	7	cherry	150	2024-01-18
	18	8	avocado	150	2023-12-23
	19	9	lime	250	2023-12-01
	20	10	cranberry	300	2023-12-30
	21	1	bacon	400	2023-12-05
	22	2	tomato	70	2023-11-27
	23	3	carrot	20	2024-01-14
	24	4	apple	35	2024-03-08
	24	5	orange	90	2023-12-31
	25	6	onion	30	2024-04-18
	26	7	lemon	100	2023-12-15
	27	8	potato	30	2024-02-18
	28	9	pineapple	150	2023-12-30
	29	10	broccoli	100	2023-10-30

orders 1 x

5. Відобрази інформацію про всі продукти з таблиці Order, які є в таблиці Shopping_List та в яких закінчився термін придатності.

or

objects

sson_21

Tables

fridge

orders

shopping_list

Views

Stored Procedures

Functions

akila

/s

orld

tration Schemas

tion:.....

object selected

Query 1 SQL File 3* join* SQL File 7* x shopping_list orders fridge

Limit to 1000 rows

✱

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🔍

11 • select Fridge.Product_Name, Orders.Expiration_Date

12 from Orders

13 inner join fridge

14 on orders.Product_id = fridge.Product_ID;

15

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	Product_Name	Expiration_Date
▶	tomato	2023-10-17
	broccoli	2023-10-30
	apple	2023-11-08
	tomato	2023-11-27
	mushroom	2023-12-01
	grape	2023-12-05
	salmon	2023-12-12
	sausage	2023-12-15
	onion	2023-12-15
	grape	2023-12-20
	pineapple	2023-12-23
	mushroom	2023-12-30
	broccoli	2023-12-30
	apple	2023-12-31
	sausage	2024-01-14
	carrot	2024-01-14
	onion	2024-01-18
	pineapple	2024-02-18
	carrot	2024-03-08
	salmon	2024-04-18

Result 1 x