

phpMyAdmin interface showing the 'students' table in the 'datab5' database. The table contains 30 rows of data with columns: student\_id, first\_name, last\_name, city, and course.

student_id	first_name	last_name	city	course
2	FirstName2	LastName2	Klapeda	IT
4	FirstName4	LastName4	Klapeda	Business
5	FirstName5	LastName5	Klapeda	IT
10	FirstName10	LastName10	Klapeda	Business
18	FirstName18	LastName18	Klapeda	IT
23	FirstName23	LastName23	Klapeda	Business
28	FirstName28	LastName28	Klapeda	Business
29	FirstName29	LastName29	Klapeda	Mechanics
31	FirstName31	LastName31	Klapeda	Business
32	FirstName32	LastName32	Klapeda	Business
34	FirstName34	LastName34	Klapeda	IT
38	FirstName38	LastName38	Klapeda	Business
39	FirstName39	LastName39	Klapeda	IT
48	FirstName48	LastName48	Klapeda	IT
3	FirstName3	LastName3	Vilnius	IT
9	FirstName9	LastName9	Vilnius	Business
16	FirstName16	LastName16	Vilnius	Mechanics
20	FirstName20	LastName20	Vilnius	IT
21	FirstName21	LastName21	Vilnius	Business
22	FirstName22	LastName22	Vilnius	Mechanics
24	FirstName24	LastName24	Vilnius	IT
25	FirstName25	LastName25	Vilnius	Mechanics
26	FirstName26	LastName26	Vilnius	IT
30	FirstName30	LastName30	Vilnius	IT

phpMyAdmin interface showing the 'clients' table in the 'datab5' database. A SQL query is executed, displaying the results of a JOIN operation between the 'clients' and 'orders' tables.

Showing rows 0 - 10 (11 total, Query took 0.0046 seconds)

```
SELECT DISTINCT c1.client_id, c1.first_name, c1.last_name FROM clients c1 JOIN orders o1 ON c1.client_id = o1.client_id JOIN orders o2 ON o1.product_id = o2.product_id JOIN clients c2 ON o2.client_id = c2.client_id WHERE c2.city = 'Vilnius' AND c1.client_id != c2.client_id;
```

client_id	first_name	last_name
220	Client20	LastName20
224	Client24	LastName24
205	Client5	LastName5
225	Client25	LastName25
230	Client30	LastName30
203	Client3	LastName3
244	Client44	LastName44
229	Client29	LastName29
238	Client38	LastName38
223	Client23	LastName23
207	Client7	LastName7

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localhost/phpmyadmin/index.php?route=/database/sql&db=datab5

Server: 127.0.0.1 Database: datab5 Table: students

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 13 (14 total, Query took 0.0012 seconds)

```
SELECT DISTINCT s.* FROM students s JOIN clients c ON s.city = c.city WHERE c.city = 'Klaipeda';
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

student_id	first_name	last_name	city	course
2	FirstName2	LastName2	Klaipeda	IT
4	FirstName4	LastName4	Klaipeda	Business
5	FirstName5	LastName5	Klaipeda	IT
10	FirstName10	LastName10	Klaipeda	Business
18	FirstName18	LastName18	Klaipeda	IT
23	FirstName23	LastName23	Klaipeda	Business
28	FirstName28	LastName28	Klaipeda	Business
29	FirstName29	LastName29	Klaipeda	Mechanics
31	FirstName31	LastName31	Klaipeda	Business
32	FirstName32	LastName32	Klaipeda	Business
34	FirstName34	LastName34	Klaipeda	IT
38	FirstName38	LastName38	Klaipeda	Business
39	FirstName39	LastName39	Klaipeda	IT
48	FirstName48	LastName48	Klaipeda	IT

Console

Type here to search

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localhost/phpmyadmin/index.php?route=/table/sql&db=datab5&table=students

Server: 127.0.0.1 Database: datab5 Table: orders

Showing rows 0 - 24 (471 total, Query took 0.0009 seconds)

```
SELECT o.* FROM orders o JOIN clients c ON o.client_id = c.client_id JOIN employees e ON c.city = e.city WHERE e.department IN ('Finance', 'HR');
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

1 > >> Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

order_id	client_id	product_id	order_date
2	205	9	2024-04-04
3	207	5	2024-01-05
4	244	13	2024-04-30
5	229	44	2024-04-17
7	244	16	2024-06-20
14	230	20	2024-02-05
16	244	11	2024-03-23
19	218	36	2024-03-27
20	215	3	2024-02-29
25	205	13	2024-01-01
31	227	22	2024-04-11
35	237	40	2024-05-26
37	230	44	2024-04-13
38	214	30	2024-02-07
39	212	28	2024-01-17
41	224	5	2024-01-11
2	205	9	2024-04-04
3	207	5	2024-01-05
4	244	13	2024-04-30
729	44	2024-04-17	

Console

localhost/phpmyadmin/index.php?route=/table/sql&db=datab5&table=orders

Server: 127.0.0.1 Database: datab5 Table: products

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0028 seconds)

```
SELECT DISTINCT p.* FROM products p JOIN orders o ON p.product_id = o.product_id JOIN (SELECT client_id FROM orders GROUP BY client_id HAVING COUNT(product_id) > 3) c ON o.client_id = c.client_id;
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

product\_id product\_name price

Query results operations

Create view

Bookmark this SQL query

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Bookmark this SQL query

localhost/phpmyadmin/index.php?route=/table/sql&db=datab5&table=products

Server: 127.0.0.1 Database: datab5 Table: students

Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 20 (21 total, Query took 0.0011 seconds)

```
SELECT DISTINCT s.* FROM students s JOIN employees e ON s.course = e.department WHERE e.department IN ('IT', 'Mechanics');
```

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows:  | Sort by key: None

Extra options

student_id	first_name	last_name	city	course
1	FirstName1	LastName1	Panevezys	IT
2	FirstName2	LastName2	Klapeda	IT
3	FirstName3	LastName3	Vinius	IT
5	FirstName5	LastName5	Klapeda	IT
6	FirstName6	LastName6	Kaunas	IT
7	FirstName7	LastName7	Kaunas	IT
12	FirstName12	LastName12	Kaunas	IT
14	FirstName14	LastName14	Kaunas	IT
15	FirstName15	LastName15	Kaunas	IT
17	FirstName17	LastName17	Kaunas	IT
18	FirstName18	LastName18	Klapeda	IT
20	FirstName20	LastName20	Vinius	IT
24	FirstName24	LastName24	Vinius	IT
26	FirstName26	LastName26	Vinius	IT
30	FirstName30	LastName30	Vinius	IT

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localhost/phpmyadmin/index.php?route=/database/sql&db=datab5

Server: 127.0.0.1 Database: datab5 Table: clients

Showing rows 0 - 24 (33 total, Query took 0.0019 seconds)

```
SELECT DISTINCT c1.* FROM clients c1 JOIN orders o1 ON c1.client_id = o1.client_id JOIN products p1 ON o1.product_id = p1.product_id JOIN orders o2 ON p1.price BETWEEN p1.price * 0.9 AND p1.price * 1.1 JOIN clients c2 ON o2.client_id = c2.client_id WHERE c2.city = 'Siauliai';
```

Prototyping Edit inline Edit Explain SQL Create PHP code Refresh

1 > >> Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

client_id	first_name	last_name	city
235	Client35	LastName35	Klaipeda
205	Client5	LastName5	Vilnius
207	Client7	LastName7	Vilnius
244	Client44	LastName44	Vilnius
229	Client29	LastName29	Vilnius
220	Client20	LastName20	Kaunas
241	Client41	LastName41	Klaipeda
250	Client50	LastName50	Klaipeda
225	Client25	LastName25	Klaipeda
239	Client39	LastName39	Kaunas
234	Client34	LastName34	Klaipeda
230	Client30	LastName30	Vilnius
240	Client40	LastName40	Klaipeda
232	Client32	LastName32	Klaipeda
218	Client18	LastName18	Vilnius
215	Client15	LastName15	Vilnius
238	Client38	LastName38	Kaunas
213	Client13	LastName13	Klaipeda
Client43	Client43	LastName43	Kaunas

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localhost/phpmyadmin/index.php?route=/table/sql&db=datab5&table=clients

Server: 127.0.0.1 Database: datab5 Table: employees

Showing rows 0 - 24 (50 total, Query took 0.0031 seconds)

```
SELECT DISTINCT e.* FROM employees e JOIN clients c ON e.city = c.city JOIN orders o ON c.client_id = o.client_id JOIN products p ON o.product_id = p.product_id WHERE p.price > 1500;
```

Prototyping Edit inline Edit Explain SQL Create PHP code Refresh

1 > >> Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

employee_id	first_name	last_name	city	department
101	FirstName1	LastName1	Vilnius	HR
103	FirstName3	LastName3	Vilnius	HR
104	FirstName4	LastName4	Vilnius	Finance
106	FirstName6	LastName6	Vilnius	IT
112	FirstName12	LastName12	Vilnius	HR
115	FirstName15	LastName15	Vilnius	HR
127	FirstName27	LastName27	Vilnius	Finance
128	FirstName28	LastName28	Vilnius	HR
133	FirstName33	LastName33	Vilnius	HR
145	FirstName45	LastName45	Vilnius	IT
148	FirstName48	LastName48	Vilnius	Finance
149	FirstName49	LastName49	Vilnius	HR
102	FirstName2	LastName2	Klaipeda	IT
105	FirstName5	LastName5	Klaipeda	HR
107	FirstName7	LastName7	Klaipeda	HR
111	FirstName11	LastName11	Klaipeda	Finance
114	FirstName14	LastName14	Klaipeda	HR
116	FirstName16	LastName16	Klaipeda	Finance
119	FirstName19	LastName19	Klaipeda	Finance



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phpMyAdmin

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Server: 127.0.0.1 > Database: datab5 > Table: orders

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Show query box

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 15 (16 total, Query took 0.0007 seconds)

```
SELECT o.* FROM orders o JOIN clients c ON o.client_id = c.client_id JOIN employees e ON c.last_name = e.last_name WHERE e.department = 'Finance';
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

order_id	client_id	product_id	order_date
33	204	24	2024-01-27
43	204	1	2024-05-30
44	208	15	2024-06-27
32	226	46	2024-06-21
31	227	22	2024-04-11
17	232	39	2024-06-29
13	234	23	2024-02-03
18	234	17	2024-04-30
36	234	48	2024-05-03
1	235	35	2024-03-20
49	236	18	2024-04-21
12	239	10	2024-04-27
40	239	27	2024-03-16
4	244	13	2024-04-30
244		16	2024-06-20

Console

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- test
- try

Server: 127.0.0.1 > Database: datab5 > Table: products

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0033 seconds)

```
CREATE TABLE employee_orders ( order_id INT PRIMARY KEY, employee_id INT, product_id INT, order_date DATE, FOREIGN KEY (employee_id) REFERENCES employees(employee_id), FOREIGN KEY (product_id) REFERENCES products(product_id) );
```

[Edit inline] [Edit] [Create PHP code]

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 24 (37 total, Query took 0.0093 seconds)

```
SELECT DISTINCT p.* FROM products p JOIN orders o ON p.product_id = o.product_id WHERE o.client_id IS NOT NULL UNION SELECT DISTINCT p.* FROM products p JOIN employee_orders eo ON p.product_id = eo.product_id;
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

1 > >> | Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

product_id	product_name	price
35	Product35	1098.00
9	Product9	407.00
5	Product5	131.00
13	Product13	154.00
44	Product44	1679.00
16	Product16	1687.00
12	Product12	1680.00
Product49		1069.00

Console 9

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localhost/phpmyadmin/index.php?route=/table/sql&db=datab5&table=products

phpMyAdmin

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- try

Server: 127.0.0.1 Database: datab5 Table: time\_machine

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Show query box

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
CREATE TABLE IF NOT EXISTS time_machine ( record_id INT PRIMARY KEY, effective_date DATE NOT NULL, expiration_date DATE );
```

[ Edit inline ] [ Edit ] [ Create PHP code ]

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0021 seconds.)

```
-- Query for active records on 2023-09-15 SELECT * FROM time_machine WHERE effective_date <= '2023-09-15' AND (expiration_date IS NULL OR expiration_date > '2023-09-15');
```

[ Edit inline ] [ Edit ] [ Create PHP code ]

record_id	effective_date	expiration_date
-----------	----------------	-----------------

Query results operations

Create view

Bookmark this SQL query

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Bookmark this SQL query

MySQL returned an empty result set (i.e. zero rows). (Query took 0.0003 seconds.)

```
-- Query for active records on 2023-07-15 SELECT * FROM time_machine WHERE effective_date <= '2023-07-15' AND (expiration_date IS NULL OR expiration_date > '2023-07-15');
```

Console [ Edit ] [ Create PHP code ]

Type here to search

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