Local instance MySQL80

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 4*   SQL File 3*

Navigator

SCHEMAS

Filter objects

▶ ait
▶ college
▶ colleges
▶ sakila
▶ sys
▶ world

Limit to 1000 rows

```
1 •   create database sample;
2 •   use sample;
3
```

Administration   Schemas

Information

No object selected

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	1	15:33:34	create database sample	1 row(s) affected	0.046 sec
✓	2	15:33:38	use sample	0 row(s) affected	0.000 sec

Object Info   Session

Q Search

ENG
IN

15:33
11-12-2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4*   SQL File 3* ×

Limit to 1000 rows ▾

```
13          product_id INT PRIMARY KEY,
14          product_name VARCHAR(150),
15          category VARCHAR(100),
16          price DECIMAL(10,2)
17      );
18
19  ● ⊖ CREATE TABLE orders (
20          order_id INT PRIMARY KEY,
21          customer_id INT,
22          order_date DATE,
23          order_amount DECIMAL(10,2),
24          FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
25      );
26
```

Navigator

SCHEMAS

Filter objects

▶ ait
▶ college
▶ colleges
▶ sakila
▶ sys
▶ world

Administration   Schemas

Information

No object selected

Object Info   Session

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
✓	2 15:33:38	use sample	0 row(s) affected	0.000 sec
✗	3 15:34:57	CREATE TABLE order_items (order_item_id INT PRIMARY KEY, order_id INT,...	Error Code: 1824. Failed to open the referenced table 'orders'	0.015 sec
✓	4 15:36:01	CREATE TABLE customers (customer_id INT PRIMARY KEY, customer_name...	0 row(s) affected	0.093 sec
✓	5 15:36:14	CREATE TABLE products (product_id INT PRIMARY KEY, product_name VA...	0 row(s) affected	0.015 sec
✓	6 15:36:23	CREATE TABLE orders (order_id INT PRIMARY KEY, customer_id INT, ord...	0 row(s) affected	0.046 sec
✓	7 15:36:32	CREATE TABLE order_items (order_item_id INT PRIMARY KEY, order_id INT,...	0 row(s) affected	0.047 sec

Q Search

ENG
IN

15:36
11-12-2025

Local instance MySQL80 ×

File   Edit   View   Query   Database   Server   Tools   Scripting   Help

SQL File 4*   SQL File 3* ×

Limit to 1000 rows

```
102  •  SELECT * FROM customers;
103
104  •  SELECT customer_name, city, signup_date
105     FROM customers
106     WHERE city = 'Mumbai'
107     ORDER BY signup_date DESC;
108
```

Navigator

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Administration   Schemas

Information

Schema: ait

Object Info   Session

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

customer_name	city	signup_date
▶ Amit Sharma	Mumbai	2023-01-05

customers 6 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	12	15:38:14	SELECT * FROM customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	13	15:38:31	SELECT * FROM products LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓	14	15:38:33	SELECT * FROM orders LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓	15	15:38:35	SELECT * FROM order_items LIMIT 0, 1000	21 row(s) returned	0.000 sec / 0.000 sec
✓	16	15:39:01	SELECT * FROM customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	17	15:39:12	SELECT customer_name, city, signup_date FROM customers WHERE city = 'Mum...	1 row(s) returned	0.000 sec / 0.000 sec

Read Only

Result Grid

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4*   SQL File 3* ×

```
107        ORDER BY signup_date DESC;
108
109  •     SELECT customer_id, SUM(order_amount) AS total_spent
110        FROM orders
111        GROUP BY customer_id
112        ORDER BY total_spent DESC;
113
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ‡A

customer_id	total_spent
2	4999.00
3	2797.00
1	2597.00
8	2298.00
10	1498.00

Result 7 ×   ⓘ Read Only

Output

Action Output   ▼

#	Time	Action	Message	Duration / Fetch
✓ 13	15:38:31	SELECT * FROM products LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
✓ 14	15:38:33	SELECT * FROM orders LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
✓ 15	15:38:35	SELECT * FROM order_items LIMIT 0, 1000	21 row(s) returned	0.000 sec / 0.000 sec
✓ 16	15:39:01	SELECT * FROM customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 17	15:39:12	SELECT customer_name, city, signup_date FROM customers WHERE city = 'Mum...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 18	15:40:08	SELECT customer_id, SUM(order_amount) AS total_spent FROM orders GROUP B...	10 row(s) returned	0.016 sec / 0.000 sec

Schema: ait

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4*   SQL File 3* ×

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Administration   Schemas

Limit to 1000 rows

```
116
117
118 •  SELECT c.customer_name, o.order_id, o.order_amount
119    FROM customers c
120    INNER JOIN orders o ON c.customer_id = o.customer_id;_
121
122
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

customer_name	order_id	order_amount
Amit Sharma	5001	1898.00
Amit Sharma	5006	699.00
Priya Patel	5002	4999.00
Rohit Singh	5003	1798.00
Rohit Singh	5012	999.00

Result 8 ×

Read Only

Information

Schema: ait

Output

Action Output

#	Time	Action	Message	Duration / Fetch
14	15:38:33	SELECT * FROM orders LIMIT 0, 1000	12 row(s) returned	0.000 sec / 0.000 sec
15	15:38:35	SELECT * FROM order_items LIMIT 0, 1000	21 row(s) returned	0.000 sec / 0.000 sec
16	15:39:01	SELECT * FROM customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
17	15:39:12	SELECT customer_name, city, signup_date FROM customers WHERE city = "Mum...	1 row(s) returned	0.000 sec / 0.000 sec
18	15:40:08	SELECT customer_id, SUM(order_amount) AS total_spent FROM orders GROUP B...	10 row(s) returned	0.016 sec / 0.000 sec
19	15:40:26	SELECT c.customer_name, o.order_id, o.order_amount FROM customers c INNER...	12 row(s) returned	0.016 sec / 0.000 sec

Object Info   Session

Result Grid

Local instance MySQL80 ×

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SQL File 4*   SQL File 3* ×

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Administration   Schemas

Information

Schema: ait

Object Info   Session

Limit to 1000 rows

```
125
126  ●   SELECT c.customer_name, o.order_id
127      FROM customers c
128      LEFT JOIN orders o ON c.customer_id = o.customer_id
129      ORDER BY c.customer_id;
130
131
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

customer_name	order_id
Amit Sharma	5001
Amit Sharma	5006
Priya Patel	5002
Rohit Singh	5003
Rohit Singh	5012

Result Grid

Result 9 ×   ⓘ Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	15:38:35	SELECT * FROM order_items LIMIT 0, 1000	21 row(s) returned	0.000 sec / 0.000 sec
16	15:39:01	SELECT * FROM customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
17	15:39:12	SELECT customer_name, city, signup_date FROM customers WHERE city = 'Mum...	1 row(s) returned	0.000 sec / 0.000 sec
18	15:40:08	SELECT customer_id, SUM(order_amount) AS total_spent FROM orders GROUP B...	10 row(s) returned	0.016 sec / 0.000 sec
19	15:40:26	SELECT c.customer_name, o.order_id, o.order_amount FROM customers c INNER...	12 row(s) returned	0.016 sec / 0.000 sec
20	15:40:40	SELECT c.customer_name, o.order_id FROM customers c LEFT JOIN orders o ON ...	12 row(s) returned	0.000 sec / 0.000 sec

Q Search

ENG
IN

15:40
11-12-2025

MySQL Workbench

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Information

Schema: ait

Object Info Session

SQL File 4*   SQL File 3* ×

Limit to 1000 rows

```
133
134
135 ●  SELECT c.customer_name, o.order_id
136     FROM customers c
137     RIGHT JOIN orders o ON c.customer_id = o.customer_id;
138
139
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

customer_name	order_id
▶ Amit Sharma	5001
Amit Sharma	5006
Priya Patel	5002
Rohit Singh	5003
Rohit Singh	5012

Result 10 ×

Read Only

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
✓	16	15:39:01	SELECT * FROM customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓	17	15:39:12	SELECT customer_name, city, signup_date FROM customers WHERE city = 'Mum...	1 row(s) returned	0.000 sec / 0.000 sec
✓	18	15:40:08	SELECT customer_id, SUM(order_amount) AS total_spent FROM orders GROUP B...	10 row(s) returned	0.016 sec / 0.000 sec
✓	19	15:40:26	SELECT c.customer_name, o.order_id, o.order_amount FROM customers c INNER...	12 row(s) returned	0.016 sec / 0.000 sec
✓	20	15:40:40	SELECT c.customer_name, o.order_id FROM customers c LEFT JOIN orders o ON ...	12 row(s) returned	0.000 sec / 0.000 sec
✓	21	15:41:02	SELECT c.customer_name, o.order_id FROM customers c RIGHT JOIN orders o O...	12 row(s) returned	0.000 sec / 0.000 sec

Q Search

ENG
IN

15:41
11-12-2025

MySQL Workbench

Local instance MySQL80 ×

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Limit to 1000 rows

```
143        FROM customers
144     ⊖  WHERE customer_id IN (
145            SELECT customer_id
146            FROM orders
147            GROUP BY customer_id
148            HAVING SUM(order_amount) > 2000
149          )
```

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Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

customer_id	customer_name
1	Amit Sharma
2	Priya Patel
3	Rohit Singh
8	Sonali Bose
NULL	NULL

customers 11 ×

Information

Schema: ait

Output

Action Output

#	Time	Action	Message	Duration / Fetch
17	15:39:12	SELECT customer_name, city, signup_date FROM customers WHERE city = "Mum...	1 row(s) returned	0.000 sec / 0.000 sec
18	15:40:08	SELECT customer_id, SUM(order_amount) AS total_spent FROM orders GROUP B...	10 row(s) returned	0.016 sec / 0.000 sec
19	15:40:26	SELECT c.customer_name, o.order_id, o.order_amount FROM customers c INNER...	12 row(s) returned	0.016 sec / 0.000 sec
20	15:40:40	SELECT c.customer_name, o.order_id FROM customers c LEFT JOIN orders o ON ...	12 row(s) returned	0.000 sec / 0.000 sec
21	15:41:02	SELECT c.customer_name, o.order_id FROM customers c RIGHT JOIN orders o O...	12 row(s) returned	0.000 sec / 0.000 sec
22	15:41:38	SELECT customer_id, customer_name FROM customers WHERE customer_id IN (...	4 row(s) returned	0.000 sec / 0.000 sec

Object Info   Session

Result Grid

Apply   Revert

Q Search

ENG
IN

15:41
11-12-2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQL File 4*   SQL File 3* ×

```
161 •   SELECT AVG(total_spent) AS avg_revenue_per_user
162  ⊖  FROM (
163         SELECT customer_id, SUM(order_amount) AS total_spent
164         FROM orders
165         GROUP BY customer_id
166     ) AS t;
167
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

avg_revenue_per_user
▶ 1778.200000

Result 12 ×   🛈 Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 20	15:40:40	SELECT c.customer_name, o.order_id FROM customers c LEFT JOIN orders o ON ...	12 row(s) returned	0.000 sec / 0.000 sec
✓ 21	15:41:02	SELECT c.customer_name, o.order_id FROM customers c RIGHT JOIN orders o ON O...	12 row(s) returned	0.000 sec / 0.000 sec
✓ 22	15:41:38	SELECT customer_id, customer_name FROM customers WHERE customer_id IN (...	4 row(s) returned	0.000 sec / 0.000 sec
✓ 23	15:41:57	CREATE VIEW customer_sales AS SELECT c.customer_id, c.customer_nam...	0 row(s) affected	0.016 sec
✓ 24	15:42:14	CREATE INDEX idx_customer_id ON orders(customer_id)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.094 sec
✓ 25	15:42:23	SELECT AVG(total_spent) AS avg_revenue_per_user FROM (SELECT custome...	1 row(s) returned	0.000 sec / 0.000 sec

Schema: ait

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```
WHERE customer_id IN (
    SELECT customer_id
    FROM orders
    GROUP BY customer_id
    HAVING SUM(order_amount) > 2000
);

#create a view

CREATE VIEW customer_sales AS
SELECT
    c.customer_id,
    c.customer_name,
    SUM(o.order_amount) AS total_sales
FROM customers c
JOIN orders o ON c.customer_id = o.customer_id
GROUP BY c.customer_id, c.customer_name;

#Creating an Index

CREATE INDEX idx_customer_id ON orders(customer_id);


#Average Revenue Per User
SELECT AVG(total_spent) AS avg_revenue_per_user
FROM (
    SELECT customer_id, SUM(order_amount) AS total_spent
    FROM orders
    GROUP BY customer_id
) AS t;
```