

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator: sales dataset SQL File 4* SQL File 5*

SCHEMAS: college employee games library office onlinebookstore payment pizzahut realtors sakila sales

Tables: sales dataset

Columns: Order ID, Amount, Profit, Quantity, Category, Sub-Category, PaymentMode, Order Date, CustomerName, State, City, Year-Month

SQL:

```
1 -- extracting month from order date
2
3
4 • SELECT
5     *, MONTH(order_date) AS month
6
7     FROM
8         sales_records
```

Result Grid:

Order ID	Amount	Profit	Quantity	Category	Sub-Category	PaymentMode	order_date	CustomerName	State	City	Year-Month	month
B-26776	9726	1275	5	Electronics	Electronic Games	UPI	2023-06-27	David Padilla	Florida	Miami	2023-06	6
B-26776	9726	1275	5	Electronics	Electronic Games	UPI	2024-12-27	Connor Morgan	Illinois	Chicago	2024-12	12
B-26776	9726	1275	5	Electronics	Electronic Games	UPI	2021-07-25	Robert Stone	New York	Buffalo	2021-07	7
B-26776	4975	1330	14	Electronics	Printers	UPI	2023-06-27	David Padilla	Florida	Miami	2023-06	6
B-26776	4975	1330	14	Electronics	Printers	UPI	2024-12-27	Connor Morgan	Illinois	Chicago	2024-12	12
B-26776	4975	1330	14	Electronics	Printers	UPI	2021-07-25	Robert Stone	New York	Buffalo	2021-07	7
B-26942	1525	185	12	Office Supplies	Pens	Debit Card	2024-05-11	John Fields	Florida	Orlando	2024-05	5
B-26942	1525	185	12	Office Supplies	Pens	Debit Card	2021-10-09	Clayton Smith	Florida	Miami	2021-10	10
B-26640	883	117	10	Electronics	Laptops	EMI	2022-11-18	Richard Kelley	California	Los Angeles	2022-11	11
B-26640	8127	2551	16	Furniture	Tables	Credit Card	2022-11-19	Richard Kelley	California	Los Angeles	2022-11	11

Output:

#	Time	Action	Message	Duration / Fetch
22	12:55:24	select *, month(order_date) as month from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
23	12:56:22	SELECT *, MONTH(order_date) AS month FROM sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
24	12:57:07	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
25	12:57:10	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
26	12:57:11	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
27	12:57:12	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

35°C Haze

Search

12:57 IN 15-04-2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: sales dataset SQL File 4* SQL File 5* ×

Schemas

Filter objects

- college
- employee
- games
- library
- office
- onlinebookstore
- payment
- pizzahut
- realtors
- sakila
- sales**

Tables

- sales dataset
- Columns
- Indexes
- Foreign Keys
- Triggers
- Views
- Stored Procedures

Administration Schemas

Information

Table: sales dataset

Columns:

Order ID	text
Amount	int
Profit	int
Quantity	int
Category	text
Sub-Category	text
PaymentMode	text
Order Date	text
CustomerName	text
State	text
City	text
Year-Month	text

Result Grid

category	total_profit
Office Supplies	551575
Furniture	540542
Electronics	518580

Form Editor

Field Types

Result 7 ×

Action Output

#	Time	Action	Message	Duration / Fetch
28	13:01:42	select *, sum(profit) as total_profit from sales_records group by category.sub-category LIMIT 0, 1000	Error Code: 1054. Unknown column 'sub' in 'group statement'	0.000 sec
29	13:02:43	ALTER TABLE sales_records CHANGE 'sub-category' sub_category varchar(50)	1194 row(s) affected Records: 1194 Duplicates: 0 Warnings: 0	0.141 sec
30	13:02:58	select *, sum(profit) as total_profit from sales_records group by category.sub_category LIMIT 0, 1000	Error Code: 1055. Expression #1 of SELECT list is not in GROUP BY clause and contains nonaggregated colu...	0.000 sec
31	13:03:19	select category.sub_category, sum(profit) as total_profit from sales_records group by category.sub_category Li...	12 row(s) returned	0.015 sec / 0.000 sec
32	13:03:46	select category, sum(profit) as total_profit from sales_records group by category LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
33	13:04:42	select category, sum(profit) as total_profit from sales_records group by category order by total_profit desc LIMIT ...	3 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

8 35°C Haze

Search

13:04 15-04-2025 ENG IN

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Schemas

- college
- employee
- games
- library
- office
- onlinebookstore
- payment
- pizzahut
- realtors
- sakila
- sales**

Tables

- sales dataset**
- Columns
- Indexes
- Foreign Keys
- Triggers

Views

Stored Procedures

Administration Schemas

Information

Table: sales dataset

Columns:

Order ID	text
Amount	int
Profit	int
Quantity	int
Category	text
Sub-Category	text
PaymentMode	text
Order Date	text
CustomerName	text
State	text
City	text
Year-Month	text

Object Info Session

SQL File 11* sales dataset SQL File 4* SQL File 5* SQL File 6* x

```
1 -- Average order amount
2
3 • SELECT
4     AVG(amount) AS avg_amount
5 FROM
6     sales_records;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Result Grid | Form Editor | Field Types | Read Only

avg_amount
5178.0896

Result 2 x

Action Output

#	Time	Action	Message	Duration / Fetch
32	13:03:46	select category, sum(profit) as total_profit from sales_records group by category LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
33	13:04:42	select category, sum(profit) as total_profit from sales_records group by category order by total_profit desc LIMIT 0, 1000	3 row(s) returned	0.016 sec / 0.000 sec
34	13:06:11	select * from sales_orders LIMIT 0, 1000	Error Code: 1146. Table 'sales.sales_orders' doesn't exist	0.000 sec
35	13:06:20	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
36	13:06:55	select *, avg(amount) as avg_amount from sales_records LIMIT 0, 1000	Error Code: 1140. In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggrega...	0.000 sec
37	13:07:13	select avg(amount) as avg_amount from sales_records LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

8 35°C Haze

Search

13:07 ENG IN 15-04-2025

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator: SQL File 11*, sales dataset, SQL File 4*, SQL File 5*, SQL File 6*, SQL File 7*

SCHEMAS: college, employee, games, library, office, onlinebookstore, payment, pizzahut, realtors, sakila, sales

Tables: salesdataset, Columns, Indexes, Foreign Keys, Triggers, Views, Stored Procedures

Administration Schemas

Information: Table: sales dataset

Columns:

- Order ID: text
- Amount: int
- Profit: int
- Quantity: int
- Category: text
- Sub-Category: text
- Payment Mode: text
- Order Date: text
- Customer Name: text
- State: text
- City: text
- Year-Month: text

Object Info Session

SQL Editor:

```
1 -- monthly sales trend
2
3 • SELECT
4     `Year-Month`, SUM(Amount) AS monthly_sales
5 FROM
6     sales_records
7 GROUP BY `Year-Month`
8 ORDER BY `Year-Month`;
```

Result Grid:

Year-Month	monthly_sales
2020-03	22991
2020-04	133385
2020-05	113287
2020-06	46900
2020-07	38556
2020-08	91117
2020-09	109434
2020-10	110836
2020-11	108170
2020-12	84725

Output:

#	Time	Action	Message	Duration / Fetch
34	13:06:11	select * from sales_orders LIMIT 0, 1000	Error Code: 1146. Table 'sales.sales_orders' doesn't exist	0.000 sec
35	13:06:20	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
36	13:06:55	select *,avg(amount) as avg_amount from sales_records LIMIT 0, 1000	Error Code: 1140. In aggregated query without GROUP BY, expression #1 of SELECT list contains nonaggrega...	0.000 sec
37	13:07:13	select avg(amount) as avg_amount from sales_records LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
38	13:08:19	SELECT `Year-Month`, SUM(Amount) AS monthly_sales FROM sales GROUP BY `Year-Month` ORDER BY `Y...	Error Code: 1146. Table 'sales.sales' doesn't exist	0.000 sec
39	13:08:30	SELECT `Year-Month`, SUM(Amount) AS monthly_sales FROM sales_records GROUP BY `Year-Month` ORDE...	61 row(s) returned	0.000 sec / 0.000 sec

System Bar: 8 35°C Haze, Search, Task View, File Explorer, Edge, Chrome, Paint 3D, Snipping Tool, Paint, Control Panel, File Explorer, Task Manager, Start, 13:09, ENG IN, 15-04-2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: sales dataset SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* ×

Schemas

Filter objects

- college
- employee
- games
- library
- office
- onlinebookstore
- payment
- pizzahut
- reactors
- sakila
- sales**

Tables

sales dataset

- Columns
- Indexes
- Foreign Keys
- Triggers
- Views
- Stored Procedures

Administration Schemas

Information

Table: sales dataset

Columns:

Order ID	text
Amount	int
Profit	int
Quantity	int
Category	text
Sub-Category	text
PaymentMode	text
Order Date	text
CustomerName	text
State	text
City	text
Year-Month	text

Object Info Session

SQL File 11* -- Orders placed in 2023

```

1 -- Orders placed in 2023
2
3 • SELECT
4     *, YEAR(order_date) AS month
5   FROM
6     sales_records
7   WHERE
8     YEAR(order_date) = 2023;
9

```

Result Grid

Filter Rows: Export: Wrap Cell Content: □

Order ID	Amount	Profit	Quantity	Category	sub_category	PaymentMode	order_date	CustomerName	State	City	Year-Month	month
B-26776	9726	1275	5	Electronics	Electronic Games	UPI	2023-06-27	David Padilla	Florida	Miami	2023-06	2023
B-26776	4975	1330	14	Electronics	Printers	UPI	2023-06-27	David Padilla	Florida	Miami	2023-06	2023
B-25890	2516	734	19	Furniture	Chairs	UPI	2023-11-12	Jacqueline Hubbard	New York	New York City	2023-11	2023
B-25238	7600	1098	10	Office Supplies	Pens	UPI	2023-11-09	Walter Crawford	Illinois	Springfield	2023-11	2023
B-25238	7501	262	18	Office Supplies	Paper	COD	2023-11-09	Walter Crawford	Illinois	Springfield	2023-11	2023
B-26232	5219	1180	20	Office Supplies	Binders	COD	2023-02-03	Jacqueline Harris	California	San Francisco	2023-02	2023
B-26157	6045	1606	4	Office Supplies	Paper	COD	2023-12-14	Sierra Rios	Florida	Orlando	2023-12	2023
B-26157	9337	554	11	Office Supplies	Pens	COD	2023-12-14	Sierra Rios	Florida	Orlando	2023-12	2023
B-25555	4051	1848	12	Electronics	Phones	Credit Card	2023-07-03	Jessica Richardson	California	San Diego	2023-07	2023
B-25555	5111	966	11	Furniture	Recliners	Credit Card	2023-07-03	Tanisha Richardson	California	San Diego	2023-07	2023

Result Grid Result Grid Form Editor Field Types Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
42	13:14:16	select *,year(order_date) as month from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
43	13:14:53	select *,year(order_date) as month from sales_records where year(order_date) = 2023 LIMIT 0, 1000	234 row(s) returned	0.015 sec / 0.000 sec
44	13:16:06	SELECT * FROM sales_records WHERE Order_Date BETWEEN '2023-01-01' AND '2023-12-31' LIMIT 0, 1000	234 row(s) returned	0.000 sec / 0.000 sec
45	13:17:46	SELECT order_id,count(*) FROM sales_records WHERE Order_Date BETWEEN '2023-01-01' AND '2023-12-31' LIMIT 0, 1000	Error Code: 1054. Unknown column 'order_id' in field list'	0.000 sec
46	13:17:53	SELECT order_id,count(*) FROM sales_records WHERE Order_Date BETWEEN '2023-01-01' AND '2023-12-31' LIMIT 0, 1000	Error Code: 1054. Unknown column 'order_id' in field list'	0.000 sec
47	13:18:15	select *,year(order_date) as month from sales_records where year(order_date) = 2023 LIMIT 0, 1000	234 row(s) returned	0.000 sec / 0.000 sec

36°C Haze

Search

13:21 ENG IN 15-04-2025

MySQL Workbench

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File Edit View Query Database Server Tools Scripting Help

Navigator: sales dataset SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9*

SCHEMAS

Filter objects

- college
- employee
- games
- library
- office
- onlinebookstore
- payment
- pizzahut
- realtors
- sakila
- sales**

Tables

- sales dataset**
- Columns
- Indexes
- Foreign Keys
- Triggers
- Views
- Stored Procedures

Administration Schemas

Information

Table: sales dataset

Columns:

Order ID	text
Amount	int
Profit	int
Quantity	int
Category	text
Sub-Category	text
PaymentMode	text
Order Date	text
CustomerName	text
State	text
City	text
Year-Month	text

Object Info Session

Result Grid

Filter Rows: Export: Wrap Cell Content: Fetch rows: Result Grid Form Editor Field Types

```
1 -- Top 5 states by profit
2
3 • SELECT
4     state, SUM(profit) AS total_profit
5 FROM
6     sales_records
7 GROUP BY state
8 ORDER BY total_profit DESC
9 LIMIT 5;
```

state	total_profit
Florida	308706
New York	308506
California	278814
Texas	257780
Illinois	240372

Result 3

Output

#	Time	Action	Message	Duration / Fetch
45	13:17:46	SELECT order_id,count(*) FROM sales_records WHERE Order_Date BETWEEN '2023-01-01' AND '2023-12-31'	Error Code: 1054. Unknown column 'order_id' in field list'	0.000 sec
46	13:17:53	SELECT order_id,count(*) FROM sales_records WHERE Order_Date BETWEEN '2023-01-01' AND '2023-12-31'	Error Code: 1054. Unknown column 'order_id' in field list'	0.000 sec
47	13:18:15	select *,year(order_date) as month from sales_records where year(order_date) = 2023 LIMIT 0, 1000	234 row(s) returned	0.000 sec / 0.000 sec
48	13:22:11	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
49	13:23:26	select state,sum(profit) as total_profit from sales_records group by state order by total_profit limit 5	5 row(s) returned	0.015 sec / 0.000 sec
50	13:23:39	select state,sum(profit) as total_profit from sales_records group by state order by total_profit desc limit 5	5 row(s) returned	0.000 sec / 0.000 sec

6 Nifty midcap +2.21% 13:23 ENG IN 15-04-2025

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: sales dataset SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10* ×

SCHEMAS

Filter objects

- college
- employee
- games
- library
- office
- onlinebookstore
- payment
- pizzahut
- realtors
- sakila
- sales**

Tables

- sales dataset**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
- Views
- Stored Procedures

Administration Schemas

Information

Table: **sales dataset**

Columns:

Order ID	text
Amount	int
Profit	int
Quantity	int
Category	text
Sub-Category	text
PaymentMode	text
Order Date	text
CustomerName	text
State	text
City	text
Year-Month	text

Object Info Session

Result Grid | Filter Rows: Export: Wrap Cell Content: Result 3 × Read Only

```
1 -- Find the customer who placed the highest number of distinct orders.
2
3
4 • SELECT
5     customername, COUNT(DISTINCT `order id`) order_placed
6 FROM
7     sales_records
8 GROUP BY customername
9 ORDER BY order_placed DESC;
10
```

customername	order_placed
Christian Jones	2
Jacqueline Harris	2
Kimberly Fuller	2
Megan Williams	2
Michael Rodriguez	2
Aaron Dunn	1
Aaron Johnson	1
Aaron Jones	1
Aaron Kim	1
Abigail Brown	1
Adam Clark	1
Adam James	1

Action Output

#	Time	Action	Message	Duration / Fetch
48	13:22:11	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
49	13:23:26	select state.sum(profit) as total_profit from sales_records group by state order by total_profit limit 5	5 row(s) returned	0.015 sec / 0.000 sec
50	13:23:39	select state.sum(profit) as total_profit from sales_records group by state order by total_profit desc limit 5	5 row(s) returned	0.000 sec / 0.000 sec
51	13:25:04	select * from sales_records LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

36°C Haze

Search

13:29 15-04-2025 ENG IN

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator: sales dataset SQL File 4* SQL File 5* SQL File 6* SQL File 7* SQL File 8* SQL File 9* SQL File 10* SQL File 11*

SCHEMAS

- college
- employee
- games
- library
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- onlinebookstore
- payment
- pizzahut
- realtors
- sakila
- sales**

Tables

- sales dataset**
- Columns
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- Stored Procedures

Administration Schemas

Information

Table: **sales dataset**

Columns:

Order ID	text
Amount	int
Profit	int
Quantity	int
Category	text
Sub-Category	text
PaymentMode	text
Order Date	text
CustomerName	text
State	text
City	text
Year-Month	text

Object Info Session

Result Grid

category	sub_category	total_profit	rank_within_category
Electronics	Electronic Games	148454	1
Electronics	Printers	146259	2
Electronics	Phones	113607	3
Furniture	Tables	156796	1
Furniture	Sofas	142854	2
Furniture	Chairs	122892	3
Office Supplies	Markers	174749	1
Office Supplies	Paper	149723	2
Office Supplies	Pens	129846	3

Result 3

Action Output

#	Time	Action	Message	Duration / Fetch
55	12:57:55	select *from(select category,sub_category,sum(profit) as total_profit, rank()over(partition by category order by s...)	Error Code: 1248. Every derived table must have its own alias	0.000 sec
56	12:58:56	select *from(select category,sub_category,sum(profit) as total_profit, rank()over(partition by category order by s...)	6 row(s) returned	0.016 sec / 0.000 sec
57	12:59:17	select *from(select category,sub_category,sum(profit) as total_profit, rank()over(partition by category order by s...)	9 row(s) returned	0.000 sec / 0.000 sec

3 5BIN +2.91%

Search

12:59 ENG IN 16-04-2025