

SQL Queries screenshots of output

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

Administration Schemas

Information

No object selected

Orders 1

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

```

1 USE ecommerce_db;
2
3 -- Get all columns from the Orders table
4 SELECT *
5 FROM Orders;
6
7
  
```

order_id	customer_id	order_status	order_purchase_timestamp	order_approved_at	order_delivered_timestamp	order_estimated_delivery_date
u94k3btkbh53	hCT0x9jIGXBQ	delivered	2017-10-22 18:57:54	2017-10-22 19:14:13	2017-10-26 22:19:52	2017-11-09
83gzyYkp81dh	35610	joao pessoa	PB	2018-06-20 22:20:20	2018-07-03 22:51:22	2018-07-24
CmAdtkSeKcpR	g3nXeJkGIOQw	delivered	2018-02-16 16:19:31	2018-02-17 16:15:35	2018-02-27 01:29:50	2018-03-08
sEvYKeU6r0jG	89206	varginha	2018-08-18 18:04:29	2018-08-18 18:15:16	2018-08-27 20:03:51	2018-09-19
oZKkWxDIH8PW	59012	franca	SP	2017-12-22 17:31:31	2018-01-05 19:22:49	2018-01-18
cg6Go9FXH9i0	34590	sao paulo	SP	2017-09-01 14:50:24	2017-09-15 18:57:50	2017-09-26
JG3jqnV9VYdN	68485	verissimo	MG	2018-04-24 18:18:18	2018-04-25 20:14:38	2018-05-04
jwiNWV0kQkq	2303	delivered	SP	2018-02-23 15:16:13	2018-04-02 14:12:50	2018-03-15
vHNqrMsosXxP	36048	sao paulo	2017-11-24 19:12:37	2017-11-25 04:54:03	2017-12-11 13:09:32	2017-12-14
9Eav5NyNMhj	39873	balsas	MA	2017-11-30 13:31:19	2017-12-14 16:38:47	2018-01-03
OG0ajW7nbW	32450	sao paulo	2018-04-02 22:39:59	2018-04-03 22:35:18	2018-04-13 18:12:30	2018-04-23
SlwbhG2nv18S	58429	delivered	2018-05-30 09:25:25	2018-05-30 09:35:16	2018-06-21 18:22:15	2018-07-05
Q97dFu01ka9	IfwKDQHkjLdd	delivered	2018-04-10 00:17:56	2018-04-10 00:35:11	2018-04-20 18:03:58	2018-05-04
f9rjSkph6PK	kZorkCJC6N5y	delivered	2018-05-02 22:52:10	2018-05-03 00:13:21	2018-05-09 23:48:32	2018-05-18
J6Aqzh2p3TyM	71993	palmas	TO	2017-04-24 20:22:24	2017-05-05 10:22:27	2017-05-25
U4oQfF9aAwux	61939	barra do pirai	RJ	2017-07-24 11:50:18		2017-08-07
Zta50Hj6UcVL	16013	montes claros	MG	2018-06-15 16:00:22	2018-06-25 22:27:56	2018-07-11
p4QBbX9Bvji	bUornDCZmRD4	delivered	2018-03-15 11:13:23	2018-03-15 11:29:14	2018-04-09 18:54:36	2018-04-03
43It0OEHVyJe	qEVfsXFU3er9	delivered	2017-03-05 16:10:01	2017-03-05 16:25:11	2017-04-18 15:28:21	2017-04-06
ddxx4T93MeAI	mPg9OmQwm...	delivered	2017-10-03 12:58:11	2017-10-03 13:07:28	2017-10-09 14:06:32	2017-10-30
bedcrBAHx0Ww	65600	sao paulo	MG	2018-04-02 00:47:44	2018-04-06 20:53:33	2018-04-18
MnDvirRaAah7R	l7mnlIFCvri7NA	delivered	2017-08-16 19:36:38	2017-08-18 02:35:25	2017-08-24 21:47:56	2017-09-05

Orders 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:06:06	USE ecommerce_db	0 row(s) affected	0.000 sec
2	11:06:26	SELECT * FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

commerce_db

- Tables
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- Stored Procedures
- Functions

sys

Administration Schemas

No object selected

Information

Orders 2

Result Grid

Filter Rows: Export: Wrap Cell Content: Fetch rows:

```
3 -- Get all columns from the Orders table
4 • SELECT *
5   FROM Orders;
6
7 -- Get only order_id, order_status, and purchase date from Orders
8 • SELECT order_id, order_status, order_purchase_timestamp
9   FROM Orders;
```

order_id	order_status	order_purchase_timestamp
u94K3btkbh53	delivered	2017-10-22 18:57:54
83gzy1kp81dh	joao pessoa	PB
CmAdtkSeKqpR	delivered	2018-02-16 16:19:31
sEvYKeU6r0jG	varginha	2018-08-18 18:04:29
oZKXwD1H8PW	franca	SP
cg6Go9FXH9l0	sao paulo	SP
JG33jqvN9VYdN	verissimo	MG
jwiNWV0kQkq	delivered	SP
vNNqrMsOsXxP	sao paulo	2017-11-24 19:12:37
9Eav5VnhYMIj	balsas	MA
OG0ajWl7nwbW	sao paulo	2018-04-02 22:39:59
SlwbhG2nvI8S	delivered	2018-05-30 09:25:25
Q97dFu01kaq9	delivered	2018-04-10 00:17:56
f9rj5ph6PK	delivered	2018-05-02 22:52:10
J6Aqzh2p3TyM	palmas	TO
U4oQfF9aAwux	barra do pirai	RJ
Zla5OHj6UcVL	montes claros	MG
p4QBbX9Vbjii	delivered	2018-03-15 11:13:23
43It0OEHVyJe	delivered	2017-03-05 16:10:01
ddxx4T93MeAI	delivered	2017-10-03 12:58:11
bedcrBAHx0Ww	sao paulo	MG
Mh7nirRaAah7R	delivered	2017-08-16 19:36:38

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:06:06	USE ecommerce_db	0 row(s) affected	0.000 sec
2	11:06:26	SELECT * FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
3	11:08:03	SELECT order_id, order_status, order_purchase_timestamp FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

Tables

- customers
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- products

Views

Stored Procedures

Functions

sys

Query 1 SQL File 2* SQL File 4*

Limit to 1000 rows

```
8 •   SELECT order_id, order_status, order_purchase_timestamp
9     FROM Orders;
10
11    -- Get all customers who are in the state of São Paulo (SP)
12 •   SELECT *
13     FROM Customers
14    WHERE customer_state = 'SP';
```

Result Grid

Filter Rows:

Export: Wrap Cell Content: Fetch rows:

customer_id	customer_zip_code_prefix	customer_city	customer_state
hCT0x9jGBQ	58125	varzea paulista	SP
g3nXeklG10Qw	4119	jandira	SP
mVzLO2v6cL	88868	ilhabela	SP
85jDlGSfTu	4762	guarulhos	SP
gDdkaN8b9s1g	75870	mogi-guacu	SP
9Csx6oxplu1	69068	bebodouro	SP
gZTPkLPRnreg	20921	sao paulo	SP
k20rkCJ6N5y	13843	mogi das cruzes	SP
FrEvnEIMKGpr	28630	sao paulo	SP
bJornDC2mRD4	3440	sao paulo	SP
v6GelvnCrak5	18500	sao paulo	SP
I2p0UFQvjZNA	37589	lorena	SP
ckZATUjYdf3	54070	sao paulo	SP
Jv0zo2CWEs7	95925	sao paulo	SP
mcuPjOLRkNpR	77807	sao paulo	SP
yOjh9Exn64VlQ	11680	sao paulo	SP
l2wCGNSY1jZ	58900	itatiba	SP
ukZ709Rlb8dF	3809	sao paulo	SP
IfsAJRzVaTS	4932	sao paulo	SP
tSG89uyaK6MS	66040	ribeirao preto	SP
f4Frm4WEv1g	45890	sao paulo	SP
irnnqAqRDaRMn	79429	sao paulo	SP

Customers 3

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:06:06	USE ecommerce_db	0 row(s) affected	0.000 sec
2	11:06:26	SELECT * FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
3	11:08:03	SELECT order_id, order_status, order_purchase_timestamp FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	11:08:49	SELECT * FROM Customers WHERE customer_state = 'SP' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

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sys

Administration Schemas

Information

No object selected

Query 1 SQL File 2* SQL File 4* ×

```

14 WHERE customer_state = 'SP';
15
16 -- List all customers sorted by city name in ascending order
17 • SELECT customer_id, customer_city, customer_state
18 FROM Customers
19 ORDER BY customer_city ASC
20 LIMIT 20;
--
```

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

customer_id	customer_city	customer_state
VUszJWku3kpL	abadia dos dourados	MG
4eDTnkNZ1rx	abaete	MG
InA1r2Rq97te	abaete	MG
SOtqKN1Mqdj	abaete	MG
k0rtmuRws6O	abaete	MG
xjY4H9McGZC	abaete	MG
Q7lZkrB1Cv0j	abaete	MG
yMn3dHfVfcyAy	abaete	MG
co9gucqxD6Ps	abaetetuba	PA
x8eZbUSzfd7	abaetetuba	PA
IPUJ9leYsTWi	abaetetuba	PA
BC8PzDShdQ3u	abaetetuba	PA
7ICIkQnqwJ18	abaetetuba	PA
pHWX44NRMoF	abaetetuba	PA
UeDl1p80mARD	abaetetuba	PA
igONjRuleRGc	abaira	BA
CkBl2SdbIhn	abatia	PR
X4gZsMVjVERD	abatia	PR
T7MGlhTXTQog	abdon batista	SC
nvuadY1IKZLO	abelardo luz	SC

Customers 4 × Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:06:06	USE ecommerce_db	0 row(s) affected	0.000 sec
2	11:06:26	SELECT * FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
3	11:08:03	SELECT order_id, order_status, order_purchase_timestamp FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	11:08:49	SELECT * FROM Customers WHERE customer_state = 'SP' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
5	11:09:45	SELECT customer_id, customer_city, customer_state FROM Customers ORDER BY customer_city ASC LIMIT 20	20 row(s) returned	0.109 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

e-commerce_db

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sys

Query 1 SQL File 2* SQL File 4* ×

20 **LIMIT 20;**
21
22 -- Count how many customers are in each state
23 • **SELECT customer_state, COUNT(customer_id) AS total_customers**
24 **FROM Customers**
25 **GROUP BY customer_state;**
26
27

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

customer_state	total_customers
SP	25611
RJ	7890
MG	7060
SC	2197
ES	1202
RN	272
BA	2101
DF	1235
RS	3276
PE	1034
GO	1265
CE	753
PR	3010
MA	401
PI	280
MT	570
MS	434
SE	203
RO	174
TO	151
AM	100
AP	51

No object selected

Information

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:06:06	USE ecommerce_db	0 row(s) affected	0.000 sec
2	11:06:26	SELECT * FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
3	11:08:03	SELECT order_id, order_status, order_purchase_timestamp FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	11:08:49	SELECT * FROM Customers WHERE customer_state = 'SP' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
5	11:09:45	SELECT customer_id, customer_city, customer_state FROM Customers ORDER BY customer_city ASC LIMIT 20	20 row(s) returned	0.109 sec / 0.000 sec
6	11:11:54	SELECT customer_state, COUNT(customer_id) AS total_customers FROM Customers GROUP BY customer_stat...	27 row(s) returned	0.141 sec / 0.000 sec

Object Info Session

MySQL Workbench

unconnected × Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas, Tables, Views, Stored Procedures, Functions, sys

Query 1 SQL File 2* SQL File 4* ×

```
6 WHERE customer_city = 'indianapolis';
7
8 -- Show products sorted by product weight (heavy weight first)
9 • SELECT product_id, product_category_name, product_weight_g
10 FROM Products
11 ORDER BY product_weight_g DESC
12 LIMIT 15;
```

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

product_id	product_category_name	product_weight_g
6TNghJGwS1Vr	WNBRNuoHWbt	30000
aGjaGqqlpvZs	furniture_decor	30000
MKtUvtXxB3tD	toys	30000
sXGp69dPxalJM	pet_shop	30000
ddc9N5ZkqmGv	1	30000
2RmhzrylgpzG	toys	30000
sSdkh7ZhVbVPo	toys	30000
hbRN8Kt4aF2R	Aaqzwj9m8mkk	30000
T9Vi9O5UQKOe	toys	30000
S4pMbGxnzhOV	toys	30000
sXGp69dPxalJM	pet_shop	30000
oh3TTOMCRxIs	furniture_living_room	30000
iqadcccad9zGI	toys	29700
E0lnTIZnGzrC	rHSTHjYFnJS8	29050
cGujCDE4YJKW	1	27600

Administration Schemas Information Schema: ecommerce_db

Products 5 × Output: Action Output

#	Time	Action	Message	Duration / Fetch
37	09:48:08	SELECT * FROM Customers WHERE customer_city = 'Indiana' LIMIT 0, 1000	1 row(s) returned	0.062 sec / 0.000 sec
38	09:49:00	SELECT * FROM Customers WHERE customer_city = 'Indianapolis' LIMIT 0, 1000	2 row(s) returned	0.062 sec / 0.000 sec
39	09:50:20	SELECT * FROM Customers WHERE customer_city = 'Indianapolis' LIMIT 0, 1000	2 row(s) returned	0.062 sec / 0.000 sec
40	09:51:36	DEALLOCATE PREPARE stmt	OK	0.000 sec
41	10:01:04	SELECT product_id, product_category_name, product_weight_g FROM Products ORDER BY product_weight_g DESC LIMIT 0, 15	1000 row(s) returned	0.016 sec / 0.000 sec
42	10:02:33	SELECT product_id, product_category_name, product_weight_g FROM Products ORDER BY product_weight_g DESC LIMIT 0, 15	15 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

unconnected Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

ecommerce_db

- Tables
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sys

Administration Schemas Information

Schema: ecommerce_db

Query 1 SQL File 2* SQL File 4*

```
12 LIMIT 15;
13
14 -- Count number of orders per country
15 • SELECT customer_city, COUNT(order_id) AS total_orders
16 FROM Customers
17 JOIN Orders ON Customers.customer_id = Orders.customer_id
18 GROUP BY customer_city;
```

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

customer_city	total_orders
nova serrana	2
sao jose	4
rio de janeiro	133
taubate	8
curitiba	38
santa ines	1
santos	20
araras	4
primavera do l...	1
itajai	2
ibrite	1
palhoca	5
sao bernardo d...	22
telemaco borba	1
peruibe	1
monte carmelo	1
assis	4
florianopolis	13
aracaju	7
jundiai	10

Result 6 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
38	09:49:00	SELECT * FROM Customers WHERE customer_city = 'Indianapolis' LIMIT 0, 1000	2 row(s) returned	0.062 sec / 0.000 sec
39	09:50:20	SELECT * FROM Customers WHERE customer_city = 'Indianapolis' LIMIT 0, 1000	2 row(s) returned	0.062 sec / 0.000 sec
40	09:51:36	DEALLOCATE PREPARE stmt	OK	0.000 sec
41	10:01:04	SELECT product_id, product_category_name, product_weight_g FROM Products ORDER BY product_weight_g	1000 row(s) returned	0.016 sec / 0.000 sec
42	10:02:33	SELECT product_id, product_category_name, product_weight_g FROM Products ORDER BY product_weight_g	15 row(s) returned	0.016 sec / 0.000 sec
43	10:08:20	SELECT customer_city, COUNT(order_id) AS total_orders FROM Customers JOIN Orders ON Customers.customer_id = Orders.customer_id GROUP BY customer_city	579 row(s) returned	0.141 sec / 0.000 sec

Object Info Session

Queried Completed

MySQL Workbench

Local instance MySQL80 ×

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Navigator

Schemas

ecommerce_db

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sys

Query 1 SQL File 2* SQL File 4*

```
43
44  -- Get all orders placed on or after January 1, 2018
45  -- Sort them from oldest to newest
46 •  SELECT order_id, order_purchase_timestamp
47  FROM Orders
48  WHERE order_purchase_timestamp >= '2018-01-01'
49  ORDER BY order_purchase_timestamp ASC;
```

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

order_id	order_purchase_timestamp
EFsYhxtmZo6W	2018-01-01 15:20:38
SsP2eric2SJ	2018-01-01 18:31:59
NFXM6GYAABUr	2018-01-01 20:33:42
XMDawCgkvJBP	2018-01-01 22:37:33
4mMmQd2Tk9xa	2018-01-02 09:25:50
XpBbkOWnbSGQ	2018-01-02 10:39:56
S9xgy1gN84Le	2018-01-02 12:11:24
8uSU3K4MKy	2018-01-02 12:52:36
cCTU4XdvZaRb	2018-01-02 13:40:56
idhk7iu0Es59	2018-01-02 16:02:11
JJYRhPxkk1m5	2018-01-02 22:09:17
IM36oZThzoa	2018-01-02 23:07:38
OpSU671j4bJS	2018-01-03 09:16:57
smnxd3N3RfXC	2018-01-03 11:48:15
6sMvJtzwZSVu	2018-01-03 14:11:04
qIrdQo9b8Ns54	2018-01-03 16:28:16
4e85TfTRiczE	2018-01-03 16:30:59
ZVAHfdHy8WTs	2018-01-03 19:09:09
9bSa4qxYZSe	2018-01-03 19:13:33
azRdyEkYrVIK	2018-01-03 19:28:12
1MJOKVNG3mqy	2018-01-03 23:52:07
h6n7iitMVAk7	2018-01-04 00:30:21

Orders 6 ×

Read Only

Information

No object selected

Administration Schemas

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
1	11:06:26	SELECT * FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
2	11:08:03	SELECT order_id, order_status, order_purchase_timestamp FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
3	11:08:49	SELECT * FROM Customers WHERE customer_state = 'SP' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
4	11:09:45	SELECT customer_id, customer_city, customer_state FROM Customers ORDER BY customer_city ASC LIMIT 0, 1000	20 row(s) returned	0.109 sec / 0.000 sec
5	11:11:54	SELECT customer_state, COUNT(customer_id) AS total_customers FROM Customers GROUP BY customer_state	27 row(s) returned	0.141 sec / 0.000 sec
6	12:30:17	SELECT order_id, order_purchase_timestamp FROM Orders WHERE order_purchase_timestamp >= '2018-01-01 00:00:00' AND order_purchase_timestamp < '2018-01-01 23:59:59' LIMIT 0, 1000	1000 row(s) returned	0.015 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80

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Navigator

SCHEMAS

commerce_db

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sys

Query 1 SQL File 2* SQL File 4*

```

51
52 -- Get all orders from a specific state
53 • SELECT *
54   FROM Orders o
55   JOIN Customers c ON o.customer_id = c.customer_id
56   WHERE c.customer_state = 'SP'
57   ORDER BY o.order_purchase_timestamp DESC;
  
```

Result Grid

order_id	customer_id	order_status	order_purchase_timestamp	order_approved_at	order_delivered_timestamp	order_estimated_delivery_date	customer_id	customer_zip_code_prefix	customer_city
NN47knnyjHy	t1IlosC2REWp	osasco	SP	2017-12-05 10:30:42	2017-12-07 21:57:30	2017-12-20	t1IlosC2REWp	18304	guaruja
sQoT0FC8Q9Kd	kzGB5IJ3Sa1p	delivered	SP	2018-01-15 23:29:57	2018-01-19 17:59:32	2018-01-30	kzGB5IJ3Sa1p	64015	sao paulo
v4229ywKwP3I	Aj9hZn8Nf7z4	delivered	SP	2018-06-14 02:57:06	2018-06-15 18:12:51	2018-06-28	Aj9hZn8Nf7z4	62910	guarulhos
sy2YN05Uu6J	wFK1Lop99Ne	delivered	SP	2018-05-22 07:55:17	2018-06-01 21:09:41	2018-06-04	wFK1Lop99Ne	5655	barra bonita
Ryf07fymr6Ht	jJHWeOKVEEYT	sao paulo	SP	2017-01-30 10:33:04	2017-02-06 17:02:51	2017-03-27	jJHWeOKVEEYT	11497	sao paulo
rRFNATUFjGN	esVIotyKcYD	campinas	SP	2018-03-01 15:10:47	2018-03-12 23:36:26	2018-03-21	esVIotyKcYD	14470	sao paulo
PYzxEP9v56ff	9MFg2ACr5Av	carapicuba	SP	2018-06-05 15:35:27	2018-06-11 16:00:09	2018-07-03	9MFg2ACr5Av	31980	sao bernardo do campo
ipb6WPVgWTix	il2e4XqnmnVn	delivered	SP	2017-10-30 08:10:09	2017-11-04 17:42:43	2017-11-17	il2e4XqnmnVn	16640	sao paulo
bqtz1L5dSk	zgJoRBlCb3z	delivered	SP	2018-06-17 12:58:39	2018-06-25 21:46:54	2018-07-11	zgJoRBlCb3z	58225	piraju
jXdVoDMRZKXg	P0DXqdavuOKR	delivered	SP	2017-06-25 19:55:10	2017-06-28 16:46:32	2017-07-14	P0DXqdavuOKR	7854	sao paulo
HGaO71LRWND	FY749W03NNa5	delivered	SP	2018-03-18 15:07:59	2018-04-09 18:03:17	2018-04-17	FY749W03NNa5	86230	guaratinguetá
XrOl3pealAF4	4FmNQocUCM9W	delivered	SP	2017-02-07 04:05:12	2017-02-15 17:06:05	2017-03-01	4FmNQocUCM9W	39472	taboao da serra
y5RQiwPepd4	RRZBFCAKwzJ9	delivered	SP	2017-11-21 13:46:45	2017-12-01 17:53:02	2017-12-12	RRZBFCAKwzJ9	45750	sao paulo
YBlhVqNv33bC	HQh2frspKWF	tupa	SP	2018-03-04 21:10:58	2018-03-18 16:41:06	2018-03-22	HQh2frspKWF	98975	sao paulo
q2x42UtxGtC	Dm9LSqvOVccY	delivered	SP	2018-02-17 10:07:04	2018-03-08 23:05:29	2018-03-13	Dm9LSqvOVccY	21863	sorocaba
UqJUvQKvMIC	r1o1EaEu1QK	delivered	SP	2017-12-13 17:52:06	2017-12-18 19:48:42	2018-01-08	r1o1EaEu1QK	4439	sao paulo
nBd0CvwLstwd	LrEO0B0ICsz	delivered	SP	2017-03-19 18:25:15	2017-03-22 06:17:51	2017-04-10	LrEO0B0ICsz	65495	sao bernardo do campo
k8gmcte39bu8	T7KBzbSuvQzh	delivered	SP	2018-02-12 10:48:16	2018-02-23 18:42:34	2018-03-06	T7KBzbSuvQzh	2714	sorocaba
WrshS9TuleHR	GwmnMu8tzO2F	rio claro	SP	2017-05-29 03:30:05	2017-06-02 15:33:17	2017-06-27	GwmnMu8tzO2F	89035	sao paulo
65ggD9hdsgD	glUpxGobknC	delivered	SP	2017-03-19 19:53:34	2017-03-28 12:24:53	2017-04-07	glUpxGobknC	3952	guarulhos
71uasfrV^N1a	v4hNn7Fh11F	delivered	SP	2017-nq-nq 2017-nq	2017-nq-nq 2017-nq	2017-nq-nq	v4hNn7Fh11F	91360	sao paulo

Result 7

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	11:08:03	SELECT order_id, order_status, order_purchase_timestamp FROM Orders LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
4	11:08:49	SELECT * FROM Customers WHERE customer_state = 'SP' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
5	11:09:45	SELECT customer_id, customer_city, customer_state FROM Customers ORDER BY customer_city ASC LIMIT...	20 row(s) returned	0.109 sec / 0.000 sec
6	11:11:54	SELECT customer_state, COUNT(customer_id) AS total_customers FROM Customers GROUP BY customer_st...	27 row(s) returned	0.141 sec / 0.000 sec
7	12:30:17	SELECT order_id, order_purchase_timestamp FROM Orders WHERE order_purchase_timestamp >= '2018-01-...	1000 row(s) returned	0.015 sec / 0.000 sec
8	12:32:08	SELECT * FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE c.customer_state = ...	808 row(s) returned	0.125 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

Query 1 SQL File 2* SQL File 4* ×

Limit to 1000 rows

```
58
59  -- Count orders per city
60 •  SELECT c.customer_city, COUNT(o.customer_id) AS total_orders
61   FROM Orders o
62   JOIN Customers c ON o.customer_id = c.customer_id
63   GROUP BY c.customer_city
64   ORDER BY total_orders DESC;
```

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

customer_city	total_orders
sao paulo	320
rio de janeiro	133
belo horizonte	56
brasilia	43
curitiba	38
porto alegre	30
campinas	26
salvador	25
sao bernardo do campo	22
santos	20
goiania	17
iteroi	17
recife	17
santo andre	16
guarulhos	16
sao jose dos campos	14
serra	14
florianopolis	13
duque de caxias	13
osasco	13
nova iguacu	11
halem	11

No object selected

Information

Output

Action Output

#	Time	Action	Message	Duration / Fetch
4	11:08:49	SELECT * FROM Customers WHERE customer_state = 'SP' LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.016 sec
5	11:09:45	SELECT customer_id, customer_city, customer_state FROM Customers ORDER BY customer_city ASC LIMIT...	20 row(s) returned	0.109 sec / 0.000 sec
6	11:11:54	SELECT customer_state, COUNT(customer_id) AS total_customers FROM Customers GROUP BY customer_st...	27 row(s) returned	0.141 sec / 0.000 sec
7	12:30:17	SELECT order_id, order_purchase_timestamp FROM Orders WHERE order_purchase_timestamp >= 2018-01-...	1000 row(s) returned	0.015 sec / 0.000 sec
8	12:32:08	SELECT * FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE c.customer_state = '...	808 row(s) returned	0.125 sec / 0.000 sec
9	12:33:38	SELECT c.customer_city, COUNT(o.customer_id) AS total_orders FROM Orders o JOIN Customers c ON o.cus...	579 row(s) returned	0.109 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
 - Views
 - Stored Procedures
 - Functions

sys

Administration Schemas

Information

No object selected

Query 1 SQL File 2* SQL File 4*

Limit to 1000 rows

```

63 GROUP BY c.customer_city
64 ORDER BY total_orders DESC;
65
66 -- 2.1: INNER JOIN - Orders with payment info
67 • SELECT o.order_id, p.payment_type, p.payment_value
68 FROM Orders o
69 INNER JOIN Payments p ON o.order_id = p.order_id;
70

```

Result Grid

order_id	payment_type	payment_value
Q97dfUo1kaq9	b18PTwqK0kvX	38.66
43t100EHVJe	n3xQr5wHphRX	13.92
ddXx4T93MeaI	credit_card	16.42
MhDudBaAab78	vYu5aYeAvyzz	37.23
MhDudBaAab78	vYu5aYeAvyzz	37.23
YtztQOHlvuBg	xOTN2uUA9yEN	67.11
xFLgLbCo5BC	credit_card	178.33
gVMP1bDg69L	wallet	14.4
9G9EHbafs7NW	credit_card	38.66
Inl0FarYfmEO	credit_card	50.88
Inl0FarYfmEO	credit_card	50.88
Selv2hgvrnuM	wallet	9.99
UaZKqhLFwRZP	credit_card	167.37
O5bLe12qV1yT	debit_card	10.1
3ffavBUrnCxy	wallet	82.58
8q4f6hPD6tG	credit_card	34.71
IBT786jMVIAa	credit_card	30.66
Rd6Tke4vBafv	credit_card	70.82
NnoGZNFSrNxD	wallet	45.96
Vtkwb0b4JxKg	wallet	28.43
Vtkwb0b4JxKg	wallet	28.43
1n80071lhTFwh	credit_card	278.41

Result 9 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	11:09:45	SELECT customer_id, customer_city, customer_state FROM Customers ORDER BY customer_city ASC LIMIT...	20 row(s) returned	0.109 sec / 0.000 sec
6	11:11:54	SELECT customer_state, COUNT(customer_id) AS total_customers FROM Customers GROUP BY customer_st...	27 row(s) returned	0.141 sec / 0.000 sec
7	12:30:17	SELECT order_id, order_purchase_timestamp FROM Orders WHERE order_purchase_timestamp >= '2018-01-...	1000 row(s) returned	0.015 sec / 0.000 sec
8	12:32:08	SELECT * FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE c.customer_state = '...	808 row(s) returned	0.125 sec / 0.000 sec
9	12:33:38	SELECT c.customer_city, COUNT(o.customer_id) AS total_orders FROM Orders o JOIN Customers c ON o.cus...	579 row(s) returned	0.109 sec / 0.000 sec
10	12:35:33	SELECT o.order_id, p.payment_type, p.payment_value FROM Orders o INNER JOIN Payments p ON o.order_i...	1000 row(s) returned	0.047 sec / 0.047 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

Query 1 SQL File 2* SQL File 4*

Limit to 1000 rows

```

69  INNER JOIN Payments p ON o.order_id = p.order_id;
70
71  -- 2.2: LEFT JOIN - All products and their order count
72  •  SELECT pr.product_id, pr.product_category_name, COUNT(oi.order_id) AS times_ordered
73  FROM Products pr
74  LEFT JOIN OrderItems oi ON pr.product_id = oi.product_id
75  GROUP BY pr.product_id, pr.product_category_name;
76
    
```

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

product_id	product_category_name	times_ordered
lkPBqpnGNYKe	toys	2
tRV6VjdwdAm	toys	1
nS95Uh6SK36	bed_bath_table	1
5WcLgWtO04vH	toys	6
G16XPtJuiOe	toys	3
bumRSmIPLuYa	toys	2
Hh61P9XhdxJT	furniture_decor	16
jcZ2M0qKsGsh	toys	3
Ddjz2d2qMgNy	toys	6
i8rOWNVCLU8SG	toys	100
HhATkuKEU7VT	toys	56
KnGbttqqEcmat	toys	3
wEXYeIBMTNpz	toys	180
eJ0WKuR01gm	toys	9
lpU3XJCpA54J	toys	2
t3Yl7B0SiV5	construction_tools_con...	3
UtRblGZqWe6T	furniture_decor	2
qlBF0tm1bE	toys	1
tyfmRC7kLE75	toys	2
nleVDrRjyRR	toys	1
uXqtteFPcoSE	auto	1
imrnvs1IerwN	tvms	3

Result 10 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
6	11:11:54	SELECT customer_state, COUNT(customer_id) AS total_customers FROM Customers GROUP BY customer_st...	27 row(s) returned	0.141 sec / 0.000 sec
7	12:30:17	SELECT order_id, order_purchase_timestamp FROM Orders WHERE order_purchase_timestamp >= '2018-01-...	1000 row(s) returned	0.015 sec / 0.000 sec
8	12:32:08	SELECT * FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE c.customer_state = '...	808 row(s) returned	0.125 sec / 0.000 sec
9	12:33:38	SELECT c.customer_city, COUNT(o.customer_id) AS total_orders FROM Orders o JOIN Customers c ON o.cus...	579 row(s) returned	0.109 sec / 0.000 sec
10	12:35:33	SELECT o.order_id, p.payment_type, p.payment_value FROM Orders o INNER JOIN Payments p ON o.order_i...	1000 row(s) returned	0.047 sec / 0.047 sec
11	12:36:27	SELECT pr.product_id, pr.product_category_name, COUNT(oi.order_id) AS times_ordered FROM Products pr ...	1000 row(s) returned	0.171 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS commerce_db

Tables

- customers
- orderitems
- orders
- payments
- products
- Views
- Stored Procedures
- Functions

sys

Administration Schemas

Information

No object selected

Query 1 SQL File 2* SQL File 4*

```

74     LEFT JOIN OrderItems oi ON pr.product_id = oi.product_id
75     GROUP BY pr.product_id, pr.product_category_name;
76
77     -- 2.3: RIGHT JOIN - Sellers with products ordered
78 •   SELECT oi.seller_id, pr.product_id, pr.product_category_name
79     FROM OrderItems oi
80     RIGHT JOIN Products pr ON oi.product_id = pr.product_id;
81

```

Result Grid

seller_id	product_id	product_category_name
00462YS0uAJ	lKpBqpnGNyKe	toys
fBHTndjqwueV	tRV6VjdwdLAm	toys
2a07LobkzIUs	nS95HUhGSK36	bed_bath_table
ruq0u2ZpAMD	SWcLgiWt004vH	toys
nOpv5DDruGvj	G16XPtUiBOe	toys
nOpv5DDruGvj	G16XPtUiBOe	toys
kiirS0of7bJI	bunrSmtpLUya	toys
zhKBSmYNDuJd	Hh61P9hdxJT	furniture_decor
60CZvBJuXsud	jcz2MOqlksGsh	toys
OnC6iPAbNc8Z	Ddjzb2qMgNy	toys
X5fhqRmuvQ9Z	i8rOWNVCU8SG	toys
UOGIrJtsldvd	HhATKukEU7vT	true

Result 11 X Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
7	12:30:17	SELECT order_id, order_purchase_timestamp FROM Orders WHERE order_purchase_timestamp >= '2018-01-01 00:00:00'	1000 row(s) returned	0.015 sec / 0.000 sec
8	12:32:08	SELECT * FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE c.customer_state = 'active'	808 row(s) returned	0.125 sec / 0.000 sec
9	12:33:38	SELECT c.customer_city, COUNT(o.customer_id) AS total_orders FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id GROUP BY c.customer_city	579 row(s) returned	0.109 sec / 0.000 sec
10	12:35:33	SELECT o.order_id, p.payment_type, p.payment_value FROM Orders o INNER JOIN Payments p ON o.order_id = p.order_id	1000 row(s) returned	0.047 sec / 0.047 sec
11	12:36:27	SELECT pr.product_id, pr.product_category_name, COUNT(oi.order_id) AS times_ordered FROM Products pr JOIN OrderItems oi ON pr.product_id = oi.product_id GROUP BY pr.product_id, pr.product_category_name	1000 row(s) returned	0.171 sec / 0.000 sec
12	12:36:50	SELECT oi.seller_id, pr.product_id, pr.product_category_name FROM OrderItems oi RIGHT JOIN Products pr ON oi.product_id = pr.product_id	1000 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

Query 1 SQL File 2* SQL File 4*

```
82 -- 3.1: Get customers who have placed more than 5 orders
83 •   SELECT customer_id, total_orders
84   FROM (
85     SELECT customer_id, COUNT(order_id) AS total_orders
86     FROM Orders
87     GROUP BY customer_id
88   ) AS order_counts
89   WHERE total_orders > 5;
```

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

customer_id	total_orders
54250	7
70756	6
18087	6
2863	7
12324	7
44571	6
4068	11
29192	9
89970	7
5847	6
13857	6
5707	8
7813	12
30662	8
13044	6
92323	8
38415	6
95585	6
23028	10
58540	6

Result 12 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	12:32:08	SELECT * FROM Orders o JOIN Customers c ON o.customer_id = c.customer_id WHERE c.customer_state = ...	808 row(s) returned	0.125 sec / 0.000 sec
9	12:33:38	SELECT c.customer_city, COUNT(o.customer_id) AS total_orders FROM Orders o JOIN Customers c ON o.cus...	579 row(s) returned	0.109 sec / 0.000 sec
10	12:35:33	SELECT o.order_id, p.payment_type, p.payment_value FROM Orders o INNER JOIN Payments p ON o.order_i...	1000 row(s) returned	0.047 sec / 0.047 sec
11	12:36:27	SELECT pr.product_id, pr.product_category_name, COUNT(oj.order_id) AS times_ordered FROM Products pr ...	1000 row(s) returned	0.171 sec / 0.000 sec
12	12:36:50	SELECT oi.seller_id, pr.product_id, pr.product_category_name FROM OrderItems oi RIGHT JOIN Products pr ...	1000 row(s) returned	0.015 sec / 0.000 sec
13	12:38:32	SELECT customer_id, total_orders FROM (SELECT customer_id, COUNT(order_id) AS total_orders FRO...	45 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

e-commerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
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sys

Query 1 SQL File 2* SQL File 4*

```

87     GROUP BY customer_id
88   ) AS order_counts
89   WHERE total_orders > 5;
90
91   -- 3.2: Find products with price above average
92 •   SELECT product_id, price
93   FROM OrderItems
94   WHERE price > (SELECT AVG(price) FROM OrderItems);
95

```

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

product_id	price
1lycYGcsc2F	779.9
Y0T4Ca4BKXRU	966.9
IUyKT5z5LcPW	1534.9
OUhKkKyYmxVfq	779
l0Q038BC2u3G	403.9
ro08PnCylzh	509.99
uCnShK796Rpb	692
SLTrVtcY1m	692
bDhxHlkU0GeF	676.97
fUSMr8Wvo77AI	820.05
aZianeUqyncU	475
DXG0TfaZjGHO	403.9
EZH1IJVffqj	1332.5
mfg08nMEY4eP	770
cT3pVNaqyTpQ	1122
hoBYnVOyd5V	368.9
5WclgWt004vH	403.9
n3QjhUa3JbkT	509
bumRSmIPLuYa	513.99
etUc3o0rjl6e	849.5

OrderItems 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	12:33:38	SELECT c.customer_city, COUNT(o.customer_id) AS total_orders FROM Orders o JOIN Customers c ON o.cus...	579 row(s) returned	0.109 sec / 0.000 sec
10	12:35:33	SELECT o.order_id, p.payment_type, p.payment_value FROM Orders o INNER JOIN Payments p ON o.order_i...	1000 row(s) returned	0.047 sec / 0.047 sec
11	12:36:27	SELECT pr.product_id, pr.product_category_name, COUNT(o.order_id) AS times_ordered FROM Products pr ...	1000 row(s) returned	0.171 sec / 0.000 sec
12	12:36:50	SELECT oi.seller_id, pr.product_id, pr.product_category_name FROM OrderItems oi RIGHT JOIN Products pr ...	1000 row(s) returned	0.015 sec / 0.000 sec
13	12:38:32	SELECT customer_id, total_orders FROM (SELECT customer_id, COUNT(order_id) AS total_orders FRO...	45 row(s) returned	0.016 sec / 0.000 sec
14	12:39:34	SELECT product_id, price FROM OrderItems WHERE price > (SELECT AVG(price) FROM OrderItems) LIMIT 0...	1000 row(s) returned	0.047 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

ecommerce_db

- Tables
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 - orders
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 - products
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sys

Query 1 SQL File 2* SQL File 4*

```
91 -- 3.2: Find products with price above average
92 • SELECT product_id, price
93 FROM OrderItems
94 WHERE price > (SELECT AVG(price) FROM OrderItems);
95
96 -- 4.1: Total revenue
97 • SELECT SUM(price + shipping_charges) AS total_revenue
98 FROM OrderItems;
o
```

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

total_revenue
11502557.920000099

Administration Schemas

No object selected

Information

Object Info Session

Result 14 × Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
10	12:35:33	SELECT o.order_id, p.payment_type, p.payment_value FROM Orders o INNER JOIN Payments p ON o.order_id = p.order_id	1000 row(s) returned	0.047 sec / 0.047 sec
11	12:36:27	SELECT pr.product_id, pr.product_category_name, COUNT(o.order_id) AS times_ordered FROM Products pr INNER JOIN OrderItems o ON pr.product_id = o.product_id GROUP BY pr.product_id	1000 row(s) returned	0.171 sec / 0.000 sec
12	12:36:50	SELECT oi.seller_id, pr.product_id, pr.product_category_name FROM OrderItems oi RIGHT JOIN Products pr ON oi.product_id = pr.product_id	1000 row(s) returned	0.015 sec / 0.000 sec
13	12:38:32	SELECT customer_id, COUNT(order_id) AS total_orders FROM Orders GROUP BY customer_id	45 row(s) returned	0.016 sec / 0.000 sec
14	12:39:34	SELECT product_id, price FROM OrderItems WHERE price > (SELECT AVG(price) FROM OrderItems) LIMIT 0, 1000	1000 row(s) returned	0.047 sec / 0.000 sec
15	12:40:36	SELECT SUM(price + shipping_charges) AS total_revenue FROM OrderItems LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

Query 1 SQL File 2* SQL File 4* ×

-- 4.1: Total revenue

SELECT SUM(price + shipping_charges) AS total_revenue
FROM OrderItems;

-- 4.2: Average delivery time (in days)

SELECT AVG(DATEDIFF(order_delivered_timestamp, order_purchase_timestamp)) AS avg_delivery_days
FROM Orders
WHERE order_delivered_timestamp IS NOT NULL;

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

avg_delivery_days
12.4068

Result Grid

Administration Schemas

No object selected

Information

Object Info Session

Result 15 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	12:36:27	SELECT pr.product_id, pr.product_category_name, COUNT(oi.order_id) AS times_ordered FROM Products pr ...	1000 row(s) returned	0.171 sec / 0.000 sec
12	12:36:50	SELECT oi.seller_id, pr.product_id, pr.product_category_name FROM OrderItems oi RIGHT JOIN Products pr ...	1000 row(s) returned	0.015 sec / 0.000 sec
13	12:38:32	SELECT customer_id, total_orders FROM (SELECT customer_id, COUNT(order_id) AS total_orders FRO...)	45 row(s) returned	0.016 sec / 0.000 sec
14	12:39:34	SELECT product_id, price FROM OrderItems WHERE price > (SELECT AVG(price) FROM OrderItems) LIMIT 0, 1000	1000 row(s) returned	0.047 sec / 0.000 sec
15	12:40:36	SELECT SUM(price + shipping_charges) AS total_revenue FROM OrderItems LIMIT 0, 1000	1 row(s) returned	0.031 sec / 0.000 sec
16	12:41:09	SELECT AVG(DATEDIFF(order_delivered_timestamp, order_purchase_timestamp)) AS avg_delivery_days FRO...	1 row(s) returned	0.031 sec / 0.000 sec

Read Only

Field Types

Query Stats

Execution Plan

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

e-commerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
 - monthly_sales
 - top_products
- Stored Procedures
- Functions

sys

Query 1 SQL File 2* SQL File 4* monthly_sales

```
106 • CREATE VIEW monthly_sales AS
107     SELECT DATE_FORMAT(order_purchase_timestamp, '%Y-%m') AS month,
108             SUM(price + shipping_charges) AS total_sales
109     FROM Orders o
110     JOIN OrderItems oi ON o.order_id = oi.order_id
111     GROUP BY month;
112
113 • SHOW CREATE VIEW monthly_sales;
```

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

View	Create View	character_set_client	collation_connection
monthly_sales	CREATE ALGORITHM=UNDEFINED DEFINER='r...' utf8mb4_0900_ai_ci		

Administration Schemas

Information

View: monthly_sales

Columns:

month	varchar(7)
total_sales	double

Result 19 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:45:09	SHOW CREATE VIEW monthly_sales	1 row(s) returned	0.016 sec / 0.000 sec
2	12:45:54	CREATE VIEW top_products AS SELECT pr.product_category_name, COUNT(oi.product_id) AS total_sold FRO...	0 row(s) affected	0.016 sec
3	12:46:26	SHOW CREATE VIEW top_products	1 row(s) returned	0.016 sec / 0.000 sec
4	12:47:30	SHOW CREATE VIEW top_products	1 row(s) returned	0.031 sec / 0.000 sec
5	12:48:19	SELECT * FROM e-commerce_db.monthly_sales LIMIT 0, 1000	22 row(s) returned	0.078 sec / 0.000 sec
6	12:49:05	SHOW CREATE VIEW monthly_sales	1 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Result Grid

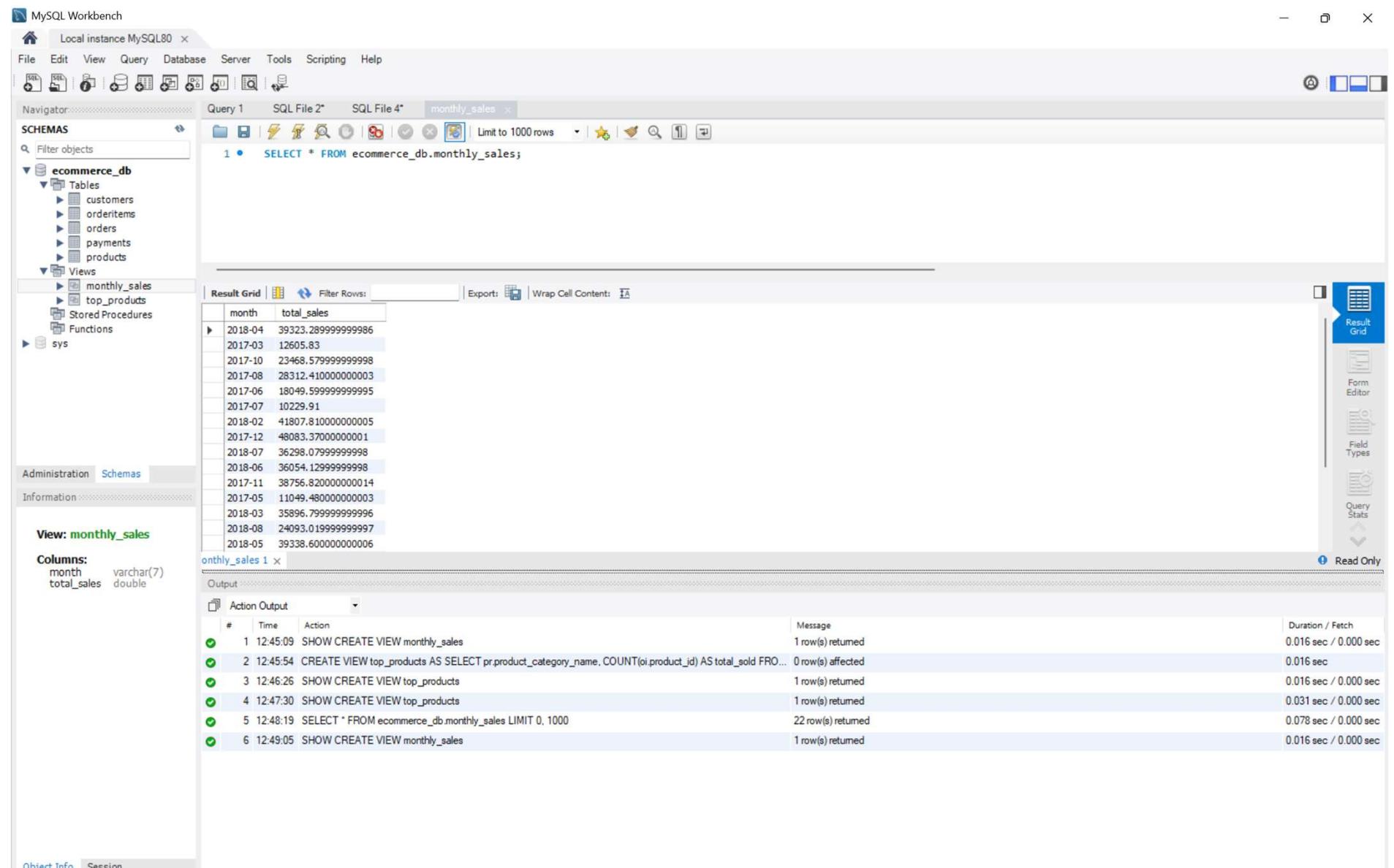
Form Editor

Field Types

Query Stats

Execution Plan

Read Only



MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

ecommerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
 - monthly_sales
 - top_products
- Stored Procedures
- Functions

sys

Query 1 SQL File 2* SQL File 4* monthly_sales

```
115 -- 5.2: View for top products
116 • CREATE VIEW top_products AS
117     SELECT pr.product_category_name, COUNT(oi.product_id) AS total_sold
118     FROM Products pr
119     JOIN OrderItems oi ON pr.product_id = oi.product_id
120     GROUP BY pr.product_category_name
121     ORDER BY total_sold DESC;
122
123 • SHOW CREATE VIEW top_products;
124
```

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

View	Create View	character_set_client	collation_connection
top_products	CREATE ALGORITHM=UNDEFINED DEFINER='r... utf8mb4_0900_ai_ci'	utf8mb4	utf8mb4_0900_ai_ci

Result Grid

Administration Schemas

Information

View: monthly_sales

Columns:

month	varchar(7)
total_sales	double

Form Editor

Field Types

Query Stats

Result 20 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	12:45:09	SHOW CREATE VIEW monthly_sales	1 row(s) returned	0.016 sec / 0.000 sec
2	12:45:54	CREATE VIEW top_products AS SELECT pr.product_category_name, COUNT(oi.product_id) AS total_sold FRO... 0 row(s) affected		0.016 sec
3	12:46:26	SHOW CREATE VIEW top_products	1 row(s) returned	0.016 sec / 0.000 sec
4	12:47:30	SHOW CREATE VIEW top_products	1 row(s) returned	0.031 sec / 0.000 sec
5	12:48:19	SELECT * FROM ecommerce_db.monthly_sales LIMIT 0, 1000	22 row(s) returned	0.078 sec / 0.000 sec
6	12:49:05	SHOW CREATE VIEW monthly_sales	1 row(s) returned	0.016 sec / 0.000 sec
7	12:51:30	SHOW CREATE VIEW top_products	1 row(s) returned	0.015 sec / 0.000 sec

Read Only

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

commerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
 - monthly_sales
 - top_products
- Stored Procedures
- Functions

sys

Administration Schemas

Information

View: top_products

Columns:

product_category_name	total_sold
toys	14714
garden_tools	1145
computers_accessories	957
health_beauty	955
watches_gifts	870
1	611
furniture_decor	312
sports_leisure	240
bed_bath_table	230
perfumery	150
housewares	121
office_furniture	115
auto	106
telephony	103
QCAFbrLWPV1n	92
cool_stuff	76
8Tlb7x9LP3L	73

Result Grid

product_category_name	total_sold
toys	14714
garden_tools	1145
computers_accessories	957
health_beauty	955
watches_gifts	870
1	611
furniture_decor	312
sports_leisure	240
bed_bath_table	230
perfumery	150
housewares	121
office_furniture	115
auto	106
telephony	103
QCAFbrLWPV1n	92
cool_stuff	76
8Tlb7x9LP3L	73

Form Editor

Field Types

Query Stats

Output

Action Output

#	Time	Action	Message	Duration / Fetch
2	12:45:54	CREATE VIEW top_products AS SELECT pr.product_category_name, COUNT(oi.product_id) AS total_sold F...	0 row(s) affected	0.016 sec
3	12:46:26	SHOW CREATE VIEW top_products	1 row(s) returned	0.016 sec / 0.000 sec
4	12:47:30	SHOW CREATE VIEW top_products	1 row(s) returned	0.031 sec / 0.000 sec
5	12:48:19	SELECT * FROM ecommerce_db.monthly_sales LIMIT 0, 1000	22 row(s) returned	0.078 sec / 0.000 sec
6	12:49:05	SHOW CREATE VIEW monthly_sales	1 row(s) returned	0.016 sec / 0.000 sec
7	12:51:30	SHOW CREATE VIEW top_products	1 row(s) returned	0.015 sec / 0.000 sec
8	12:51:57	SELECT * FROM ecommerce_db.top_products LIMIT 0, 1000	97 row(s) returned	0.094 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: monthly_sales top_products

Query 1 SQL File 2* SQL File 4* monthly_sales top_products

SCHEMAS

commerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

```

120   GROUP BY pr.product_category_name
121   ORDER BY total_sold DESC;
122
123 • SHOW CREATE VIEW top_products;
124
125 -- Index on customer_id for faster joins
126 • CREATE INDEX idx_orders_customer_id ON Orders(customer_id(20));
127
128 • SHOW INDEXES FROM Orders;
129

```

Result Grid

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
orders	1	idx_orders_customer_id	1	customer_id	A	5982	20	HULL	YES	BTREE			YES	HULL

Administration Schemas

Information

Table: orders

Columns:

- order_id
- customer_id
- order_status
- order_purchase_timestamp
- order_approved_at
- order_delivered_timestamp
- order_estimated_delivery_date

Result 21 ×

Action Output

#	Time	Action	Message	Duration / Fetch
5	12:48:19	SELECT * FROM ecommerce_db.monthly_sales LIMIT 0, 1000	22 row(s) returned	0.078 sec / 0.000 sec
6	12:49:05	SHOW CREATE VIEW monthly_sales	1 row(s) returned	0.016 sec / 0.000 sec
7	12:51:30	SHOW CREATE VIEW top_products	1 row(s) returned	0.015 sec / 0.000 sec
8	12:51:57	SELECT * FROM ecommerce_db.top_products LIMIT 0, 1000	97 row(s) returned	0.094 sec / 0.000 sec
9	12:53:03	CREATE INDEX idx_orders_customer_id ON Orders(customer_id)	Error Code: 1170. BLOB/TEXT column 'customer_id' used in key specification without a key length	0.031 sec
10	12:54:32	CREATE INDEX idx_orders_customer_id ON Orders(customer_id(20))	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.078 sec
11	12:56:46	SHOW INDEXES FROM Orders	1 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Filter objects

Schemas

- ecommerce_db
 - Tables: customers, orderitems, orders, payments, products
 - Views: top_products
 - Stored Procedures
 - Functions
- sys

Query 1 SQL File 2* SQL File 4* monthly_sales top_products

```

124
125    -- Index on customer_id for faster joins
126 • CREATE INDEX idx_orders_customer_id ON Orders(customer_id(20));
127
128 • SHOW INDEXES FROM Orders;
129
130    -- Index on product_id for product lookups
131 • CREATE INDEX idx_orderitems_product_id ON OrderItems(product_id(20));
132 • SHOW INDEXES FROM OrderItems;
133
  
```

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

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
orderitems	1	idx_orderitems_product_id	1	product_id	A	14553	20	HULL	YES	BTREE			YES	HULL

Administration Schemas

Information

Table: orders

Columns:

- order_id
- customer_id
- order_status
- order_purchase_timestamp
- order_approved_at
- order_delivered_timestamp
- order_estimated_delivery_date

Result 22 × Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
8	12:51:57	SELECT * FROM ecommerce_db.top_products LIMIT 0, 1000	97 row(s) returned	0.094 sec / 0.000 sec
9	12:53:03	CREATE INDEX idx_orders_customer_id ON Orders(customer_id)	Error Code: 1170. BLOB/TEXT column 'customer_id' used in key specification without a key length	0.031 sec
10	12:54:32	CREATE INDEX idx_orders_customer_id ON Orders(customer_id(20))	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.078 sec
11	12:56:46	SHOW INDEXES FROM Orders	1 row(s) returned	0.015 sec / 0.000 sec
12	12:59:36	CREATE INDEX idx_orderitems_product_id ON OrderItems(product_id)	Error Code: 1170. BLOB/TEXT column 'product_id' used in key specification without a key length	0.000 sec
13	12:59:49	CREATE INDEX idx_orderitems_product_id ON OrderItems(product_id(20))	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.172 sec
14	13:00:11	SHOW INDEXES FROM OrderItems	1 row(s) returned	0.016 sec / 0.000 sec

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

Navigator: monthly_sales top_products

Query 1 SQL File 2* SQL File 4* monthly_sales top_products

SCHEMAS

commerce_db

- Tables
 - customers
 - orderitems
 - orders
 - payments
 - products
- Views
- Stored Procedures
- Functions

sys

```

128 • SHOW INDEXES FROM Orders;
129
130 -- Index on product_id for product lookups
131 • CREATE INDEX idx_orderitems_product_id ON OrderItems(product_id(20));
132 • SHOW INDEXES FROM OrderItems;
133
134 -- Index on order_purchase_timestamp for time-based queries
135 • CREATE INDEX idx_orders_purchase_date ON Orders(order_purchase_timestamp(20));
136 • SHOW INDEXES FROM Orders;
137

```

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

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
orders	1	idx_orders_customer_id	1	customer_id	A	5982	20	HULL	YES	BTREE		YES	HULL	
orders	1	idx_orders_purchase_date	1	order_purchase_timestamp	A	3283	20	HULL	YES	BTREE		YES	HULL	

Administration Schemas

Information:

Table: orders

Columns:

- order_id
- customer_id
- order_status
- order_purchase_timestamp
- order_approved_at
- order_delivered_timestamp
- order_estimated_delivery_date

Result 23 ×

Action Output

#	Time	Action	Message	Duration / Fetch
11	12:56:46	SHOW INDEXES FROM Orders	1 row(s) returned	0.015 sec / 0.000 sec
12	12:59:36	CREATE INDEX idx_orderitems_product_id ON OrderItems(product_id)	Error Code: 1170. BLOB/TEXT column 'product_id' used in key specification without a key length	0.000 sec
13	12:59:49	CREATE INDEX idx_orderitems_product_id ON OrderItems(product_id(20))	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.172 sec
14	13:00:11	SHOW INDEXES FROM OrderItems	1 row(s) returned	0.016 sec / 0.000 sec
15	13:01:07	CREATE INDEX idx_orders_purchase_date ON Orders(order_purchase_timestamp)	Error Code: 1170. BLOB/TEXT column 'order_purchase_timestamp' used in key specification without a key length	0.000 sec
16	13:01:25	CREATE INDEX idx_orders_purchase_date ON Orders(order_purchase_timestamp(20))	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.078 sec
17	13:01:40	SHOW INDEXES FROM Orders	2 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Query 1 SQL File 2* SQL File 4* monthly_sales top_products orders - Table x orderitems - Table

Table Name: orders Schema: ecommerce_db

Charset/Collation: utf8mb4 Engine: InnoDB

Comments:

Index Name	Type
idx_orders_customer_id	INDEX
idx_orders_purchase_date	INDEX

Index Columns

Column	#	Order	Length
order_id		ASC	
<input checked="" type="checkbox"/> customer_id	1	ASC	20
order_status		ASC	
order_purchase_dt		ASC	
order_approved_at		ASC	
order_delivered_dt		ASC	
order_estimated_dt		ASC	

Query 1 SQL File 2* SQL File 4* monthly_sales top_products orders - Table x orderitems - Table

Table Name: orders Schema: ecommerce_db

Charset/Collation: utf8mb4 Engine: InnoDB

Comments:

Index Name	Type
idx_orders_customer_id	INDEX
idx_orders_purchase_date	INDEX

Index Columns

Column	#	Order	Length
order_id		ASC	
customer_id		ASC	
order_status		ASC	
<input checked="" type="checkbox"/> order_purchase_dt	1	ASC	20
order_approved_at		ASC	
order_delivered_dt		ASC	
order_estimated_dt		ASC	

Index Options

- Storage Type:
- Key Block Size: 0
- Parser:
- Visible:

Index Comment:

Query 1 SQL File 2* SQL File 4* monthly_sales top_products orders - Table x orderitems - Table

Table Name: orderitems Schema: ecommerce_db

Charset/Collation: utf8mb4 Engine: InnoDB

Comments:

Index Name	Type
idx_orderitems_product_id	INDEX

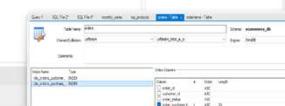
Index Columns

Column	#	Order	Length
order_id		ASC	
<input checked="" type="checkbox"/> product_id	1	ASC	20
seller_id		ASC	
price		ASC	
shipping_charges		ASC	

Index Options

- Storage Type:
- Key Block Size: 0
- Parser:
- Visible:

Index Comment:



Apply Revert