

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

advanced_foreign_keys_z_wang

ch07_saleco

Tables

customer

emp

employee

invoice

line

product

vardate

vendor

Views

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database_inheritance_z_wang

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sakila

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test_relationships_z_wang

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customer

emp

employee

line

Limit to 1000 rows

1

•

SELECT concat(cus_lname, ', ', cus_fname) as 'Name', concat(cus_areacode, ' ', cus_phone) as 'FullPhone'

2

FROM customers;

SQL Additions

Jump to

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Filter Rows:

Export:

Wrap Cell Contents:

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Name	FullPhone
Ramas,Alfred	615 844-2573
Dunne,Leona	713 894-1238
Smith,Kathy	615 894-2285
Olowski,Paul	615 894-2180
Orlando,Myron	615 222-1672
O'Brian,Amy	713 442-3381
Brown,James	615 297-1228
Williams,George	615 290-2556
Farriss,Anne	713 382-7185
Smith,Olette	615 297-3809

Table: employee

Columns:

EMP_NUMint PK

EMP_TITLEchar(10)

EMP_LNAMEvarchar(15)

EMP_FNAMEvarchar(15)

EMP_INITIALchar(1)

EMP_DOBdate

EMP_HIRE_DATEdate

EMP_YEARStint

EMP_ADDRESSvarchar(40)

Object Info

Session

Result 13

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
271	15:51:14	SELECT * FROM ch07_saleco.product LIMIT 0, 1000	16 row(s) returned	0.000 sec / 0.000 sec
272	15:57:34	SELECT inv_number, SUM(LINE_PRICE)*LINE_UNITS as 'Invoice Total' FROM line GROUP BY inv_number HAVING SUM(LINE_PRICE)*LINE_UNITS	Error Code: 1054. Unknown column 'LINE_UNITS' in 'having clause'	0.000 sec
273	15:59:24	SELECT inv_number, SUM(LINE_PRICE * LINE_UNITS) as 'Invoice Total' FROM line GROUP BY inv_number HAVING SUM(LINE_PRICE * LINE_U...	3 row(s) returned	0.000 sec / 0.000 sec
274	16:11:31	SELECT concat(cus_lname, ', ', cus_fname) as 'Name', concat(cus_areacode, ' ', cus_phone) FROM customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
275	16:12:15	SELECT concat(cus_lname, ', ', cus_fname) as 'Name', concat(cus_areacode, ' ', cus_phone) as 'FullPhone' FROM customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
276	16:13:02	SELECT concat(cus_lname, ', ', cus_fname) as 'Name', concat(cus_areacode, ' ', cus_phone) as 'FullPhone' FROM customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Query Completed

4:13 PM 2024-10-18

MySQL Workbench

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customerproduct

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1SELECT p_code, P_DESCRIPT, P_PRICE

2FROM product

3ORDER BY P_PRICE DESC;

Result Grid

Filter Rows:

Export:

Wrap Cell Contents

p_code	P_DESCRIPT	P_PRICE
89-WRE-Q	Hicut chain saw, 16 in.	256.99
WR3/TT3	Steel matting, 4'x8'x1/6", .5" mesh	119.95
11QER/31	Power painter, 15 psi., 3-nozzle	109.99
2232/QTY	B&D jigsaw, 12-in. blade	109.92
2232/QWE	B&D jigsaw, 8-in. blade	99.87
1558-QW1	Hrd. cloth, 1/2-in., 3x50	43.99
1546-QQ2	Hrd. cloth, 1/4-in., 2x50	39.95
2238/OPD	B&D cordless drill, 1/2-in.	38.95
14-Q1/L3	9.00-in. pwr. saw blade	17.49
13-Q2/P2	7.25-in. pwr. saw blade	14.99
23114-AA	Sledge hammer, 12 lb.	14.40
23109-HB	Claw hammer	9.95
SW-23116	2.5-in. wd. screw, 50	8.45
SM-18277	1.25-in. metal screw, 25	6.99
PVC23DRT	PVC pipe, 3.5-in., 8-ft	5.87
54778-2T	Rat-tail file, 1/8-in. fine	4.99

Result GridForm EditorField TypesQuery StatsExecution Plan

product 6

Read Only

Context HelpSnippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
238	14:46:09	SELECT CONCAT(RTRIM(EMP_TITLE), ' ', EMP_FNAME, ' ', EMP_LNAME) AS "Name", EMP_HIRE_DATE, YEAR(NOW()) - YEAR(EMP_HIRE_DA...	0 row(s) returned	0.000 sec / 0.000 sec
239	14:46:51	SELECT * FROM ch07_saleco.product LIMIT 0, 1000	16 row(s) returned	0.000 sec / 0.000 sec
240	14:49:31	SELECT p_code, P_DESCRIPT, P_PRICE FROM product ORDER BY p_price DESC LIMIT 5	5 row(s) returned	0.000 sec / 0.000 sec
241	14:49:37	SELECT p_code, P_DESCRIPT, P_PRICE FROM product ORDER BY p_price DESC LIMIT 3	3 row(s) returned	0.000 sec / 0.000 sec
242	14:50:51	SELECT CUS_CODE, CUS_FNAME, CUS_LNAME, CUS_BALANCE FROM CUSTOMER ORDER BY CUS_BALANCE DESC LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
243	14:52:07	SELECT p_code, P_DESCRIPT, P_PRICE FROM product ORDER BY P_PRICE DESC LIMIT 0, 1000	16 row(s) returned	0.000 sec / 0.000 sec

Schema: ch07_saleco

Object InfoSession

Query Completed

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Ch07_SaleCo_SQL

vendor

customer

customer

Limit to 1000 rows

1 SELECT CUS_FNAME, CUS_initial, CUS_lname

2 FROM CUSTOMER

3 ORDER BY CUS_fname, cus_initial, cus_lname

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	CUS_FNAME	CUS_initial	CUS_lname
▶	Alfred	A	Ramas
	Amy	B	O'Brian
	Anne	G	Farriss
	George	NULL	Williams
	James	G	Brown
	Kathy	W	Smith
	Leona	K	Dunne
	Myron	NULL	Orlando
	Olette	K	Smith
	Paul	F	Olovski

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Administration

Schemas

Information

Table: customer

Columns:

CUS_CODE int AI P

CUS_LNAME varchar

CUS_FNAME varchar

CUS_INITIAL char(1)

CUS_AREACODE char(3)

CUS_PHONE char(8)

CUS_BALANCE decimal

Object Info

Session

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

CUSTOMER 5

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
227	14:28:08	SELECT * FROM ch07_saleco.customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
228	14:31:27	SELECT cus_lname, cus_fname, CUS_AREACODE + CUS_PHONE as full_phone_number FROM customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
229	14:32:47	SELECT cus_lname, cus_fname, concat(CUS_AREACODE, ':', CUS_PHONE) as full_phone_number FROM customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
230	14:35:58	SELECT CUS_LNAME, CUS_FNAME, CUS_INITIAL FROM CUSTOMER ORDER BY CUS_LNAME, CUS_FNAME LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
231	14:37:10	SELECT * FROM ch07_saleco.customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
232	14:38:22	SELECT CUS_FNAME, CUS_initial, CUS_lname FROM CUSTOMER ORDER BY CUS_fname, cus_initial, cus_lname LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

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Ch07_SaleCo_SQL

employee

emp

Limit to 1000 rows

1

2

3

4

5

SELECT *

FROM employee

WHERE EMP_TITLE IN ('Ms.', 'Mrs.')

Result Grid

Filter Rows:

Edit

Export/Import:

Wrap Cell Content:

	EMP_NUM	EMP_TITLE	EMP_LNAME	EMP_FNAME	EMP_INITIAL	EMP_DOB	EMP_HIRE_DATE	EMP_YEARS	EMP_AREACODE	EMP_PHONE
▶	101	Ms.	Lewis	Rhonda	G	1994-10-20	2005-10-20	16	615	324-4472
	103	Ms.	Jones	Anne	M	1977-10-20	2010-10-20	8	615	898-3456
	106	Mrs.	Smith	Jeanine	K	2003-10-20	2007-10-20	14	615	324-7883
	110	Mrs.	Genkazi	Leighla	W	1968-10-20	2012-10-20	12	901	569-0093
	113	Ms.	Smythe	Melanie	P	1973-10-20	2021-10-20	3	615	324-9006
	114	Ms.	Brandon	Marie	G	1966-10-20	2015-10-20	23	901	882-0845
	115	Mrs.	Saranda	Hermine	R	2004-10-20	2011-10-20	9	615	324-5505
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

Administration

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Information

Schema: ch07_saleco

employee 2

Apply

Revert

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 118	16:52:57	INSERT INTO EMPLOYEE VALUES(115,'Mrs.','Saranda','Hermine','R', null, null, 9,'615','324-5505)	1 row(s) affected	0.000 sec
✓ 119	16:52:57	INSERT INTO EMPLOYEE VALUES(116,'Mr.','Smith','George','A', null, null, 14,'615','890-2984')	1 row(s) affected	0.000 sec
✓ 120	16:52:57	update employee e, vardate v set e.emp_dob = v.DOBdate, e.emp_hire_date = v.hiredate where e.emp_num - 100 = v.vardate_id	17 row(s) affected Rows matched: 17 Changed: 17 Warnings: 0	0.000 sec
✓ 121	16:53:12	SELECT * FROM ch07_saleco.employee LIMIT 0, 1000	17 row(s) returned	0.000 sec / 0.000 sec
✓ 122	16:53:16	SELECT * FROM ch07_saleco.emp LIMIT 0, 1000	17 row(s) returned	0.000 sec / 0.000 sec
✓ 123	16:57:04	SELECT * FROM employee WHERE EMP_TITLE IN ('Ms.', 'Mrs.') LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

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Session

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AdministrationSchemas

Information

Schema: ch07_saleco

Object InfoSession

customerempemployeecustomer

Limit to 1000 rows

SQL Editor

1

2

3

SELECT MIN(cus_code) ,

MAX(cus_code)

FROM customer;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

MIN(cus_code)	MAX(cus_code)
10010	10019

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 3

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
252	15:13:08	SELECT * FROM ch07_saleco.employee LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
253	15:15:53	SELECT p_code, p_descript, p_price, p_discount, v_code FROM products WHERE p_price BETWEEN 25 AND 50 LIMIT 0, 1000	Error Code: 1146. Table 'ch07_saleco.products' doesn't exist	0.000 sec
254	15:16:08	SELECT p_code, p_descript, p_price, p_discount, v_code FROM product WHERE p_price BETWEEN 25 AND 50 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
255	15:17:57	SELECT emp_num, emp_title, EMP_LNAME, emp_fname, EMP_INITIAL, emp_dob, EMP_HIRE_DATE, Emp_years, EMP_AREACODE, EMP_PHONE...	Error Code: 1054. Unknown column 'Emp_years' in field list'	0.000 sec
256	15:23:22	SELECT * FROM ch07_saleco.customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
257	15:23:50	SELECT MIN(cus_code) , MAX(cus_code) FROM customer LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

3:23 PM

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Administration Schemas

Information

Schema: ch07_saleco

Object Info Session

customer emp employee customer

Limit to 1000 rows

Number of products that have vendors

1 SELECT COUNT(*) AS "Number of products that have vendors"

2 FROM PRODUCT

3 WHERE V_CODE is not null

4

Result Grid

Filter Rows

Export

Wrap Cell Content

Number of products that have vendors

14

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 5

Read Only

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
254	15:16:08	SELECT p_code, p_descript, p_price, p_discount, v_code FROM product WHERE p_price BETWEEN 25 AND 50 LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
255	15:17:57	SELECT emp_num, emp_title, EMP_LNAME, emp_fname, EMP_INITIAL, emp_dob, EMP_HIRE_DATE, Emp_years, EMP_AREACODE, EMP_PHONE...	Error Code: 1054. Unknown column 'Emp_years' in field list'	0.000 sec
256	15:23:22	SELECT * FROM ch07_saleco.customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
257	15:23:50	SELECT MIN(cus_code) , MAX(cus_code) FROM customer LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
258	15:26:08	SELECT COUNT(*) AS "Number of Products" FROM PRODUCT WHERE V_CODE is not null LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
259	15:26:44	SELECT COUNT(*) AS " Number of products that have vendors" FROM PRODUCT WHERE V_CODE is not null LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Query Completed

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customerempemployeecustomer

Limit to 1000 rows

1

2

3

SELECT cus_areacode, COUNT(*) AS 'Count by Area Code'

FROM customer

GROUP BY CUS_AREACODE;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	cus_areacode	Count by Area Code
▶	615	7
	713	3

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 7

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 256	15:23:22	SELECT * FROM ch07_saleco.customer LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
✓ 257	15:23:50	SELECT MIN(cus_code) , MAX(cus_code) FROM customer LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 258	15:26:08	SELECT COUNT(*) AS "Number of Products" FROM PRODUCT WHERE V_CODE is not null LIMIT 0, 1000	1 row(s) returned	0.016 sec / 0.000 sec
✓ 259	15:26:44	SELECT COUNT(*) AS " Number of products that have vendors" FROM PRODUCT WHERE V_CODE is not null LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓ 260	15:28:50	SELECT COUNT(*) AS 'Count by Area Code' FROM customer GROUP BY CUS_AREACODE LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓ 261	15:29:12	SELECT cus_areacode, COUNT(*) AS 'Count by Area Code' FROM customer GROUP BY CUS_AREACODE LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

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4

SELECT inv_number, SUM(LINE_PRICE * LINE_UNITS) as 'Invoice Total'

FROM line

GROUP BY inv_number

HAVING SUM(LINE_PRICE * LINE_UNITS) > 100;

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

inv_number	Invoice Total
1003	153.8500
1006	397.8300
1008	399.1500

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Table: employee

Columns:

EMP_NUM int PK

EMP_TITLE char(10)

EMP_LNAME varchar(10)

EMP_FNAME varchar(10)

EMP_INITIAL char(1)

EMP_DOB date

EMP_HIRE_DATE date

EMP_YEARS int

EMP_ADDRESS varchar(40)

Object Info

Session

Result 10

Read Only

Context Help

Snippets

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Action Output

#	Time	Action	Message	Duration / Fetch
268	15:39:08	SELECT * FROM ch07_saleco.line LIMIT 0, 1000	18 row(s) returned	0.000 sec / 0.000 sec
269	15:42:44	SELECT * FROM ch07_saleco.employee LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
270	15:48:20	SELECT inv_number, SUM(LINE_PRICE) as 'Invoice Total' FROM line GROUP BY inv_number HAVING SUM(LINE_PRICE) > 100 LIMIT 0, 1000	2 row(s) returned	0.016 sec / 0.000 sec
271	15:51:14	SELECT * FROM ch07_saleco.product LIMIT 0, 1000	16 row(s) returned	0.000 sec / 0.000 sec
272	15:57:34	SELECT inv_number, SUM(LINE_PRICE)*LINE_UNITS as 'Invoice Total' FROM line GROUP BY inv_number HAVING SUM(LINE_PRICE)*LINE_UNITS > 100	Error Code: 1054. Unknown column 'LINE_UNITS' in 'having clause'	0.000 sec
273	15:59:24	SELECT inv_number, SUM(LINE_PRICE * LINE_UNITS) as 'Invoice Total' FROM line GROUP BY inv_number HAVING SUM(LINE_PRICE * LINE_UNITS) > 100	3 row(s) returned	0.000 sec / 0.000 sec

Query Completed

3:59 PM 2024-10-18