

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revision

S3.01

s401

datos_introducir_cred

estructura_dades

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

SQL Editor

```
1 #nivel 1
2
3 • SELECT *
4 FROM company;
5
6 • SELECT *
7 FROM transaction;
8
9 #Ej 1
10
11 • SELECT transaction.id
12 FROM transaction
13 WHERE transaction.company_id IN
14 (SELECT company.id
15 FROM company
16 WHERE company.country = 'Germany');
17
18 #EJ 2
19
```

Administration Schemas

Information

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content

Result Grid

Form Editor

Apply

Revert

#	Time	Action	Message	Duration / Fetch
28	11:59:07	Select country, AVG(amount) as media from (SELECT company.country, transaction.amount FROM transaction, com...	5 row(s) returned	0.000 sec / 0.000 sec
29	11:59:29	SELECT c.company_name, (SELECT CASE WHEN COUNT(*) > 4 THEN 'F' ELSE 'T'END FROM transaction ...	100 row(s) returned	0.000 sec / 0.000 sec
30	12:15:46	SELECT transaction.id FROM transaction WHERE transaction.company_id IN (SELECT company.id FROM comp...	118 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Búsqueda

12:15 29/04/2024

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revisi...

S3.01

s401

datos_introduc...

estructura_dades

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

Star

Save

Print

13

WHERE transaction.company_id IN

14

(SELECT company.id

15

FROM company

16

WHERE company.country = 'Germany');

17

18

#EJ 2

19

20

SELECT company_name

21

FROM company

22

WHERE company.id IN (

23

SELECT company_id #aqui era company_id en vez de company.id

24

from transaction

25

WHERE amount > (

26

SELECT avg(amount)

27

FROM transaction

28

)

29

);

30

31

#EJ3

Administration

Schemas

Information

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

company 27

Output

Action Output

#	Time	Action	Message	Duration / Fetch
29	11:59:29	SELECT c.company_name, (SELECT CASE WHEN COUNT(*) > 4 THEN 'F' ELSE 'T' END FROM transaction ...	100 row(s) returned	0.000 sec / 0.000 sec
30	12:15:46	SELECT transaction.id FROM transaction WHERE transaction.company_id IN (SELECT company.id FROM comp...	118 row(s) returned	0.000 sec / 0.000 sec
31	12:24:16	SELECT company_name FROM company WHERE company.id IN (SELECT company_id #aqui era company_id en v...	70 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

12:24 29/04/2024

MySQL Workbench

Local instance MySQL80 x

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

Administration

Schemas

Information

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

varchar

S1.01S2.01* S2.01_revisionS3.01s401datos_introducir_creditestructura_dadesdades_introduirestructura_datos_userdatos_introducir_user

Limit to 1000 row

40

SELECT id

41

FROM company

42

WHERE company_name LIKE 'c%'

43

);

44

45

#EJ4

46

47

• SELECT company_name

48

FROM company

49

WHERE id not in (Select distinct company_id FROM transaction);

50

#theres no company without transactions

51

52

#nivel 2

53

54

#EJ1

55

56

• Select *

57

from transaction

58

WHERE company_id IN (#el where in es equivalente a usar un join

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

company_name

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

varchar

company 29 x

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
31	12:24:16	SELECT company_name FROM company WHERE company.id IN (SELECT company_id #aqui era company_id en v...	70 row(s) returned	0.000 sec / 0.000 sec
32	12:24:24	SELECT (SELECT company_name FROM company WHERE id = transaction.company_id) AS company_name, id, ...	6 row(s) returned	0.000 sec / 0.000 sec
33	12:24:30	SELECT company_name FROM company WHERE id not in (Select distinct company_id FROM transaction) LIMIT 0, 1...	0 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Búsqueda

12:24 29/04/2024

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

SCHEMAS

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revision

S3.01

s401

datos_introducir_cred

estructura_dades

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

52

#nivel 2

53

54

#EJ1

55

56

Select *

57

from transaction

58

WHERE company_id IN (#el where in es equivalente a usar un join

59

select id

60

FROM company

61

where country = (

62

Select country

63

from company

64

where company_name = "Non Institute")

65

);

66

67

Select *

68

from transaction

69

join company ON company.id = transaction.company_id

70

where country = (

Administration

Schemas

Information

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

Result Grid

Filter Rows:

Edit

Export/Import

Wrap Cell Content:

	id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
▶	2B928E1C-EC14-A760-0A75-871477649...	CcU-2980	b-2246	275	-41.0496	161.685	2021-08-10 08:14:49	383.73	0
	ACD2011A-A2B1-C365-41E1-2AB00C65...	CcU-2980	b-2246	275	-54.4792	-82.7974	2022-03-05 20:41:20	60.07	1
	4334349E-CEB0-3D68-A4D4-FEB7718A1...	CcU-3092	b-2310	275	-20.4859	150.87	2021-05-03 22:37:23	458.74	0
	BC289A38-77B4-28CD-1FE8-14DED863E...	CcU-3092	b-2310	275	-78.0295	18.5295	2021-10-18 07:27:35	477.95	1
	147983D2-B7BA-C7B8-4CE3-8D7C2DE85...	CcU-2994	b-2326	133	66.2672	172.399	2021-08-09 00:58:07	309.45	0
	152598C2-029D-D684-4B66-91EDF393E...	CcU-2994	b-2326	126	-67.0189	-141.672	2021-07-05 03:10:00	395.43	0
	1B636858-A2E8-7C69-D9C9-C54535DAF...	CcU-2994	b-2326	131	70.2543	-13.1336	2021-07-06 08:48:46	195.06	0
	20418DF5-8804-RF9R-RD7A-A95C1RFD8...	CcU-2994	b-2326	126	-79.1145	1.51481	2022-01-03 15:59:29	479.52	0

transaction 30

Apply

Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 32	12:24:24	SELECT (SELECT company_name FROM company WHERE id = transaction.company_id) AS company_name, id, ...	6 row(s) returned	0.000 sec / 0.000 sec
✓ 33	12:24:30	SELECT company_name FROM company WHERE id not in (Select distinct company_id FROM transaction) LIMIT 0, 1...	0 row(s) returned	0.000 sec / 0.000 sec
✓ 34	12:24:34	Select * from transaction WHERE company_id IN (#el where in es equivalente a usar un join select id FROM company ...	100 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Búsqueda

12:24 29/04/2024

MySQL Workbench

Local instance MySQL80 x

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revisi3n

S3.01

s401

datos_introducir_cred

estructura_dades

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

Star

Eraser

Search

Print

Fullscreen

76

77

78 #EJ 2

79

80 • Select company_name, amount

81 From company

82 join transaction ON company.id = transaction.company_id

83 where amount = (

84 select MAX(amount)

85 from transaction

86);

87

88 #version sin join Nivel 2 EJ 2

89

90 • SELECT

91 company_name,

92 (SELECT MAX(amount)

93 FROM transaction

94) AS amount

Administration

Schemas

Information

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

Table: company

Columns:

id varchar PK

company_name varchar

phone varchar

email varchar

country varchar

website varchar

company_name

amount

▶

Nunc Interdum Incorporated

499.23

Result 31 x

Read Only

Action Output

#

Time

Action

Message

Duration / Fetch

✓

33

12:24:30

SELECT company_name FROM company WHERE id not in (Select distinct company_id FROM transaction) LIMIT 0, 1...

0 row(s) returned

0.000 sec / 0.000 sec

✓

34

12:24:34

Select * from transaction WHERE company_id IN (#el where in es equivalente a usar un join select id FROM company ...

100 row(s) returned

0.000 sec / 0.000 sec

✓

35

12:24:49

Select company_name, amount From company join transaction ON company.id = transaction.company_id where amou...

1 row(s) returned

0.000 sec / 0.000 sec

Object Info

Session

Query Completed

12:24 29/04/2024

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revisi...

S3.01

s401

datos_introducir_cred...

estructura_dades

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

Star

Eraser

Search

Print

Copy

85

from transaction

86

);

87

88

#version sin join Nivel 2 E3 2

89

90

SELECT

91

company_name,

92

(SELECT MAX(amount)

93

FROM transaction

94

) AS amount

95

FROM company

96

WHERE id = (

97

SELECT company_id

98

FROM transaction

99

WHERE amount = (

100

SELECT MAX(amount)

101

FROM transaction)

102

);

103

Administration

Schemas

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

company_name	amount
Nunc Interdum Incorporated	499.23

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

Result 32

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
34	12:24:34	Select * from transaction WHERE company_id IN (#el where in es equivalente a usar un join select id FROM company ...	100 row(s) returned	0.000 sec / 0.000 sec
35	12:24:49	Select company_name, amount From company join transaction ON company.id = transaction.company_id where amou...	1 row(s) returned	0.000 sec / 0.000 sec
36	12:24:55	SELECT company_name, (SELECT MAX(amount) FROM transaction) AS amount FROM company WHERE id =...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Búsqueda

12:24 29/04/2024

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revision

S3.01

s401

datos_introducir_cred

estructura_datos

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

Star

Eraser

Search

Print

Copy

112

having media > (

113

Select AVG(amount) AS media #el having se usa solo con funciones de agregacion

114

from transaction);

115

116

#version sin JOIN Nivel 3 ej 1

117

118

Select country, AVG(amount) as media

119

from (SELECT company.country, transaction.amount

120

FROM transaction, company

121

WHERE transaction.company_id = company.id AND transaction.declined != 1

122

) AS country_transactions

123

GROUP BY country

124

HAVING AVG(amount) > (

125

SELECT AVG(amount) AS general_average

126

FROM transaction

127

WHERE declined != 1

128

);

129

130

#ej 2

Administration

Schemas

Information

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

varchar

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	country	media
▶	United States	287.531111
	United Kingdom	271.767527
	Sweden	276.668382
	Ireland	285.825357
	Canada	261.941930

Result 34

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 36	12:24:55	SELECT company_name, (SELECT MAX(amount) FROM transaction) AS amount FROM company WHERE id =...	1 row(s) returned	0.000 sec / 0.000 sec
✓ 37	12:25:00	Select country, AVG(amount) as media from transaction JOIN company ON company.id = transaction.company_id gro...	5 row(s) returned	0.015 sec / 0.000 sec
✓ 38	12:25:27	Select country, AVG(amount) as media from (SELECT company.country, transaction.amount FROM transaction, com...	5 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Búsqueda

12:25 29/04/2024

MySQL Workbench

Local instance MySQL80

FileEditViewQueryDatabaseServerToolsScriptingHelp

Navigator

Filter objects

s401

Tables

companies

credit_cards

credit_cards_status

products

products_transactions

transactions

users

Views

Stored Procedures

Functions

sakila

sys

transactions

Tables

company

credit_card

transaction

user

Views

Stored Procedures

Functions

world

S1.01

S2.01*

S2.01_revisi...

S3.01

s401

datos_introducir_cred...

estructura_dades

dades_introduir

estructura_datos_user

datos_introducir_user

Limit to 1000 row

SQL Editor

```
137         group by company_name
138         order by transactions_amount DESC
139     ) as tab_for_amounts;
140
141     #version sin join nivel 3 ej 2
142
143     • SELECT c.company_name,
144           (SELECT
145             CASE WHEN COUNT(*) > 4 THEN 'F' ELSE 'T' END
146             FROM transaction t
147             WHERE t.company_id = c.id
148           ) AS more_than_4_transactions,
149           (SELECT COUNT(*)
150             FROM transaction t
151             WHERE t.company_id = c.id
152           ) AS transactions_amount
153     FROM company c
154     ORDER BY transactions_amount DESC;
155
```

Administration

Schemas

Information

Table: company

Columns:

id

company_name

phone

email

country

website

varchar

PK

varchar

varchar

varchar

varchar

Result Grid

Filter Rows:

Export:

Wrap Cell Content:

	company_name	more_than_4_transactions	transactions_amount
▶	Nunc Interdum Incorporated	F	105
	Ut Semper Foundation	F	59
	Enim Condimentum Ltd	F	57
	Arcu LLP	F	56
	Lorem Eu Incorporated	F	54
	Malesuada PC	F	52
	Non Institute	F	30
	Fusce Corn.	T	2

Result 36

Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 38	12:25:27	Select country, AVG(amount) as media from (SELECT company.country, transaction.amount FROM transaction, com...	5 row(s) returned	0.000 sec / 0.000 sec
✓ 39	12:25:33	SELECT company_name , transactions_amount , IF (transactions_amount > 4, "T", "F") as more_than_4_transactions fr...	100 row(s) returned	0.000 sec / 0.000 sec
✓ 40	12:25:37	SELECT c.company_name, (SELECT CASE WHEN COUNT(*) > 4 THEN 'F' ELSE 'T' END FROM transaction ...	100 row(s) returned	0.000 sec / 0.000 sec

Object Info

Session

Query Completed

Búsqueda

12:25 29/04/2024