

ole

SQL Editor Database Window Help

QL Commit Rollback Auto List &lt; N/A &gt; Search

&lt;List&gt; Script List Employee Customer Invoice \*&lt;List&gt; Console X

SELECT \* FROM Invoice i |

Invoice 1 X

SELECT \* FROM Invoice i | Enter a SQL expression to filter results (use Ctrl+Space)

Grid	123 Invoiceld	123 CustomerId	ABC InvoiceDate	ABC BillingAddress	ABC BillingCity	ABC BillingState	ABC BillingCountry
Text	1	1	2	Theodor-Heuss-Straße 34	Stuttgart	[NULL]	Germany
Text	2	2	4	Ullevålsveien 14	Oslo	[NULL]	Norway
Text	3	3	8	Grétrystraat 63	Brussels	[NULL]	Belgium
Text	4	4	14	8210 111 ST NW	Edmonton	AB	Canada
Text	5	5	23	69 Salem Street	Boston	MA	USA
Text	6	6	37	Berger Straße 10	Frankfurt	[NULL]	Germany
Text	7	7	38	Barbarossastraße 19	Berlin	[NULL]	Germany
Text	8	8	40	8, Rue Hanovre	Paris	[NULL]	France
Text	9	9	42	9, Place Louis Barthou	Bordeaux	[NULL]	France
Text	10	10	46	3 Chatham Street	Dublin	Dublin	Ireland
Text	11	11	52	202 Hoxton Street	London	[NULL]	United Kingdom
Text	12	12	2	Theodor-Heuss-Straße 34	Stuttgart	[NULL]	Germany
Text	13	13	16	1600 Amphitheatre Parkwa	Mountain View	CA	USA
Text	14	14	17	1 Microsoft Way	Redmond	WA	USA
Text	15	15	19	1 Infinite Loop	Cupertino	CA	USA
Text	16	16	21	801 W 4th Street	Reno	NV	USA
Text	17	17	25	319 N. Frances Street	Madison	WI	USA

Activate Wind

Go to Settings to

Refresh

Save

Cancel

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Smart Insert

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Search SQL Editor Database Window Help

SQL Commit Rollback Auto List < N/A > Search

Projects <List> Script List Employee Customer Invoice \*<List> Console X

here

select InvoiceDate, BillingAddress, BillingPostalCode from Invoice i |

Invoice 1 X

select InvoiceDate, BillingAddress, BillingPostalCode | Enter a SQL expression to filter results (use Ctrl+Space)

	ABC InvoiceDate	ABC BillingAddress	ABC BillingPostalCode
Grid	1 2007-01-01 00:00:00	Theodor-Heuss-Straße 34	70174
Text	2 2007-01-02 00:00:00	Ullevålsveien 14	0171
Text	3 2007-01-03 00:00:00	Grétrystraat 63	1000
Text	4 2007-01-06 00:00:00	8210 111 ST NW	T6G 2C7
Text	5 2007-01-11 00:00:00	69 Salem Street	2113
Text	6 2007-01-19 00:00:00	Berger Straße 10	60316
Text	7 2007-02-01 00:00:00	Barbarossastraße 19	10779
Text	8 2007-02-01 00:00:00	8, Rue Hanovre	75002
Text	9 2007-02-02 00:00:00	9, Place Louis Barthou	33000
Text	10 2007-02-03 00:00:00	3 Chatham Street	[NULL]
Text	11 2007-02-06 00:00:00	202 Hoxton Street	N1 5LH
Text	12 2007-02-11 00:00:00	Theodor-Heuss-Straße 34	70174
Text	13 2007-02-19 00:00:00	1600 Amphitheatre Parkway	94043-1351
Text	14 2007-03-04 00:00:00	1 Microsoft Way	98052-8300
Text	15 2007-03-04 00:00:00	1 Infinite Loop	95014
Text	16 2007-03-05 00:00:00	801 W 4th Street	89503

Refresh Save Cancel Export data 200 200+ Activate Go to Settings

200 row(s) fetched - 2ms (2ms fetch), on 2023-12-16 at 19:38:00

EET en Writable Smart Insert 2 : 70 : 71 Sel: 0 | 0

Beaver 23.3.0 - <List> Console

Edit Navigate Search SQL Editor Database Window Help

SQL Commit Rollback Auto List < N/A > Search

atabases... Projects <List> Script List Employee Customer \*<List> Console X

a part of object name here

List Tables

- > Album
- > Artist
- > Customer
- > Employee
- > foo
- > Genre
- > Invoice
- > InvoiceLine
- > MediaType
- > Playlist
- > PlaylistTrack
- > sqlite\_schema
- > Track
- Views
- Indexes

SELECT \* from Customer c ;  
UPDATE Customer SET City = "Cairo" where CustomerId = 1

Statistics 1 X

Name	Value
Updated Rows	1
Query	UPDATE Customer SET City = "Cairo" where CustomerId = 1
Start time	Sat Dec 16 19:53:29 EET 2023
Finish time	Sat Dec 16 19:53:29 EET 2023

e Window Help

Rollback Auto List < N/A > Search

Script List Employee Customer \*<List> Console X

SELECT \* from Customer c ;

Customer 1 X

Enter a SQL expression to filter results (use Ctrl+Space)

CustomerID	FirstName	LastName	Company	Address	City	State
1	Luis	Gonçalves	Embraer - Empresa Brasileira de Aeronáutica S.A.	Av. Brigadeiro Faria Lima, 2170	Cairo	SP
2	Leonie	Köhler	[NULL]	Theodor-Heuss-Straße 34	Amsterdam	[NULL]
3	François	Tremblay	[NULL]	1409 rue Rielanger	Amsterdam	QC

Panels



Projects   Commit  Rollback  Auto  List  < N/A >  Search

< List > Script  List Employee Customer \* < List > Console X Artist

SELECT DISTINCT city from Customer c

Customer 1 X

SELECT DISTINCT city from Customer c | Enter a SQL expression to filter results (use Ctrl+Space)

Grid ABC City

1 Cairo

2 Amsterdam

3 Oslo

4 Prague

5 Vienne

6 Brussels

7 Copenhagen

8 São Paulo

9 Rio de Janeiro

10 Brasília

11 Edmonton

12 Vancouver

13 Mountain View

14 Redmond

15 New York

16 Cupertino

-

Refresh Save Cancel Export data 200 51 51 row(s) fetc

Go to

0 - <List> Console

igate Search SQL Editor Database Window Help

SQL Commit Rollback Auto List < N/A > Search

Projects Script List Employee Customer \* <List> Console X Artist

Object name here

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DataSources

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Refresh Save Cancel Export data 200 1 1 row(s) Go

```
SELECT COUNT(DISTINCT city)
from Customer c |
```

Results 1

SELECT COUNT(DISTINCT city) from Customer c | Enter a SQL expression to filter results (use Ctrl+Space)

	123 COUNT(DISTINCT city)
1	51

&lt;List&gt; Script

List

Employee

Customer

\*&lt;List&gt; Console

Artist

```
SELECT * from Customer c  
where city IN ('Cairo')
```

Customer 1 X

```
SELECT * from Customer c where city IN ('Cairo') Enter a SQL expression to filter results (use Ctrl+Space)
```

CustomerId	FirstName	LastName	Company	Address	City	Country
1	Luis	Gonçalves	Embraer - Empresa Brasileira de Aeronáutica S.A.	Av. Brigadeiro Faria Lima, 2170	Cairo	SP

SQL Commit Rollback Auto List < N/A > Search

Projects < List > Script List Employee Customer \* < List > Console X Artist

```
SELECT * from Customer c
  where city NOT IN ('Cairo')
```

**Customer 1**

SELECT \* from Customer c where city NOT IN ('C' | *Enter a SQL expression to filter results (use Ctrl+Space)*)

	CustomerId	FirstName	LastName	Company	Address
Grid	1	Leonie	Köhler	[NULL]	Theodor-Heuss-Straße 34
Text	2	François	Tremblay	[NULL]	1498 rue Bélanger
Text	3	Bjørn	Hansen	[NULL]	Ullevålsveien 14
Text	4	František	Wichterlová	JetBrains s.r.o.	Klanova 9/506
Text	5	Helena	Holý	[NULL]	Rilská 3174/6
Text	6	Astrid	Gruber	[NULL]	Rotenturmstraße 4, 1010 Innere Stadt
Text	7	Daan	Peeters	[NULL]	Grétrystraat 63
Text	8	Kara	Nielsen	[NULL]	Sønder Boulevard 51
Text	9	Eduardo	Martins	Woodstock Discos	Rua Dr. Falcão Filho, 155
Text	10	Alexandre	Rocha	Banco do Brasil S.A.	Av. Paulista, 2022
Text	11	Roberto	Almeida	Riotur	Praça Pio X, 119
Text	12	Fernanda	Ramos	[NULL]	Qe 7 Bloco G
Text	13	Mark	Philips	Telus	8210 111 ST NW
Text	14	Jennifer	Peterson	Rogers Canada	700 W Pender Street
Text	15	Frank	Harris	Google Inc.	1600 Amphitheatre Parkway
Text	16				
Text	17				

Refresh Save Cancel Export data 200 58

58 row(s) fetched - 2ms (1ms fetch), on 2023-12-16 at 20:47:30

EET en Writable Smart Insert 2 : 16 : 42 Sel: 0 | 0

SQL Editor Database Window Help

Commit Rollback Auto List < N/A > Search

<List> Script List Employee Customer \*<List> Console Invoice

```
SELECT * from Customer c
where CustomerId between 1 and 20
```

**Customer 1**

SELECT \* from Customer c where CustomerId be Enter a SQL expression to filter results (use Ctrl+Space)

Grid		ABC City	ABC State	ABC Country	ABC PostalCode	ABC Phone	ABC Fax	ABC Email	
Text	7	Innsbruck	Vienne	Austria	1010	+43 01 5134505	[NULL]	astrid.gruber@apple.at	
Text	8		Brussels	Belgium	1000	+32 02 219 03 03	[NULL]	daan_peeters@apple.be	
Text	9		Copenhagen	Denmark	1720	+45 3331 9991	[NULL]	kara.nielsen@jubii.dk	
Text	10		São Paulo	SP	Brazil	01007-010	+55 (11) 3033-5446	+55 (11) 3033-4564	eduardo@woodstock.com.br
Text	11		São Paulo	SP	Brazil	01310-200	+55 (11) 3055-3278	+55 (11) 3055-8131	alero@uol.com.br
Text	12		Rio de Janeiro	RJ	Brazil	20040-020	+55 (21) 2271-7000	+55 (21) 2271-7070	roberto.almeida@riotur.gov.br
Text	13		Brasília	DF	Brazil	71020-677	+55 (61) 3363-5547	+55 (61) 3363-7855	fernadaramos4@uol.com.br
Text	14		Edmonton	AB	Canada	T6G 2C7	+1 (780) 434-4554	+1 (780) 434-5565	mphilips12@shaw.ca
Text	15		Vancouver	BC	Canada	V6C 1G8	+1 (604) 688-2255	+1 (604) 688-8756	jenniferp@rogers.ca
Text	16		Mountain View	CA	USA	94043-1351	+1 (650) 253-0000	+1 (650) 253-0000	farris@google.com
Text	17		Redmond	WA	USA	98052-8300	+1 (425) 882-8080	+1 (425) 882-8081	jacksmith@microsoft.com
Text	18		New York	NY	USA	10012-2612	+1 (212) 221-3546	+1 (212) 221-4679	michelleb@aol.com
Text	19		Cupertino	CA	USA	95014	+1 (408) 996-1010	+1 (408) 996-1011	tgoyer@apple.com
Text	20		Mountain View	CA	USA	94040-111	+1 (650) 644-3358	[NULL]	dmiller@comcast.com

Refresh Save Cancel Export data 200 20

Activate Wi  
Go to Settings

20 row(s) fetched - 1ms (1ms fetch), on 2023-12-16 at 20:49:38

3.0 - <List> Console

File Edit Search SQL Editor Database Window Help

SQL Commit Rollback Auto List < N/A > Search

Projects <List> Script List Employee Customer \*<List> Console X Invoice

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General X

DataSources

Records

Refresh Save Cancel Export data 200 1 1 row(s) fetched

EET en Writable Smart Insert 1:1:0 Sel: 0 | 0

<List> Script List Employee Customer \*<List> Console X Invoice

object name here

Results 1

select AVG(total) from Invoice i

123 AVG(total)

1 5.6519417476

Search SQL Editor Database Window Help

SQL Commit Rollback Auto List < N/A > Search

Projects here

<List> Script List Employee Customer \*<List> Console X Invoice

select MAX(Total) from Invoice i

Results 1 X

select MAX(Total) from Invoice i | Enter a SQL expression to filter results (use Ctrl+Space)

Grid 123 MAX(Total) ▾

	MAX(Total)
1	25.86

Text

DataSources Record

Refresh Save Cancel Export data 200 1 1 row(s) fetched Go to Set

1 10 17 2 10 17

L Commit Rollback Auto List < N/A > Search

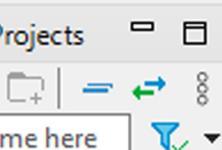
<List> Script List Employee Customer \* <List> Console X Invoice

```
SELECT * from Customer c
order by FirstName DESC |
```

Customer 1 X

SELECT \* from Customer c order by FirstName D Enter a SQL expression to filter results (use Ctrl+Space)

Grid	CustomerId	FirstName	LastName	Company	Address	City
1	42	Wyatt	Girard	[NULL]	9, Place Louis Barthou	Bordeaux
2	25	Victor	Stevens	[NULL]	319 N. Frances Street	Madison
3	19	Tim	Goyer	Apple Inc.	1 Infinite Loop	Cupertino
4	44	Terhi	Hämäläinen	[NULL]	Porthaninkatu 9	Helsinki
5	54	Steve	Murray	[NULL]	110 Raeburn Pl	Edinburgh
6	49	Stanisław	Wójcik	[NULL]	Ordynacka 10	Warsaw
7	12	Roberto	Almeida	Riotur	Praça Pio X, 119	Rio de Janeiro
8	29	Robert	Brown	[NULL]	796 Dundas Street West	Toronto
9	26	Richard	Cunningham	[NULL]	2211 W Berry Street	Fort Worth
10	59	Puja	Srivastava	[NULL]	3,Raj Bhavan Road	Bangalore
11	53	Phil	Hughes	[NULL]	113 Lopus St	London
12	27	Patrick	Gray	[NULL]	1033 N Park Ave	Tucson
13	38	Niklas	Schröder	[NULL]	Barbarossastraße 19	Berlin
14	18	Michelle	Brooks	[NULL]	627 Broadway	New York
15	31	Martha	Silk	[NULL]	194A Chain Lake Drive	Halifax



<List> Script List Employee Customer \*<List> Console X Invoice

```
select count ('CustomerId'), City  
from Customer c  
group by City  
order by count (CustomerId)
```

Customer 1 X

select count ('CustomerId'), City from Customer | Enter a SQL expression to filter results (use Ctrl+Space)

Grid	123 count ('CustomerId')	ABC City
36	1	Sidney
37	1	Stockholm
38	1	Toronto
39	1	Tucson
40	1	Vancouver
41	1	Vienne
42	1	Warsaw
43	1	Winnipeg
44	1	Yellowknife
45	2	Berlin
46	2	London
47	2	Mountain View
48	2	Paris
49	2	Prague
50	2	São Paulo
51	3	Amsterdam

CREATE TABLE Patients ( PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255) );

Statistics 1

Name	Value
Updated Rows	0
Query	CREATE TABLE Patients ( PersonID int, LastName varchar(255), FirstName varchar(255), Address varchar(255), City varchar(255) );
Start time	Sat Dec 16 21:57:05 EET 2023
Finish time	Sat Dec 16 21:57:05 EET 2023

Activate Windows

SELECT \* from Patients

Grid	PersonID	LastName	FirstName	Address	City
1	[NULL]	Balan	Aurora	[NULL]	[NULL]

Activate Windows  
Go to Settings to activate Windows.

object name here

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- localhost:3306

General X

DataSource

Statistics 1 X

Name	Value
Updated Rows	1
Query	ALTER table Patients Add Email varchar(255)
Start time	Sat Dec 16 22:06:06 EET 2023
Finish time	Sat Dec 16 22:06:06 EET 2023

Activate Windows

The screenshot shows the MySQL Workbench interface. In the top-left pane, there's a tree view of database objects like 'Customer' and 'Employee'. The main area has a query editor with the following SQL code:

```
ALTER table Patients
Add Email varchar(255)
```

Below the query editor is a 'Statistics 1' window displaying execution details:

Name	Value
Updated Rows	1
Query	ALTER table Patients Add Email varchar(255)
Start time	Sat Dec 16 22:06:06 EET 2023
Finish time	Sat Dec 16 22:06:06 EET 2023

At the bottom, a data grid shows a single row from the 'Patients' table:

PersonID	LastName	FirstName	Address	City	Email
1	[NULL]	Balan	Aurora	[NULL]	[NULL]

A tooltip 'All columns are read-only' is visible over the grid.

table triggers  
Data Types  
localhost - localhost:3306

Project - General X

DataSource

Bookmarks  
Schemas  
Scripts

Grid

Text

Record

All columns are read-only

Refresh Save Cancel Export data 200 1 1 row(s) fetched in 0ms on 2023-12-16 at 22:06:38.000

EET en Writable Smart Insert 1:24:23 Sel: 0 | 0

Activate Windows

This part of the screenshot shows the MySQL Workbench interface with a data grid at the bottom. The grid displays the same single row from the 'Patients' table as the previous screenshot. A status bar at the bottom provides performance information: '1 row(s) fetched in 0ms on 2023-12-16 at 22:06:38.000'. The bottom navigation bar includes buttons for Refresh, Save, Cancel, Export data, and various connection and schema selection options.