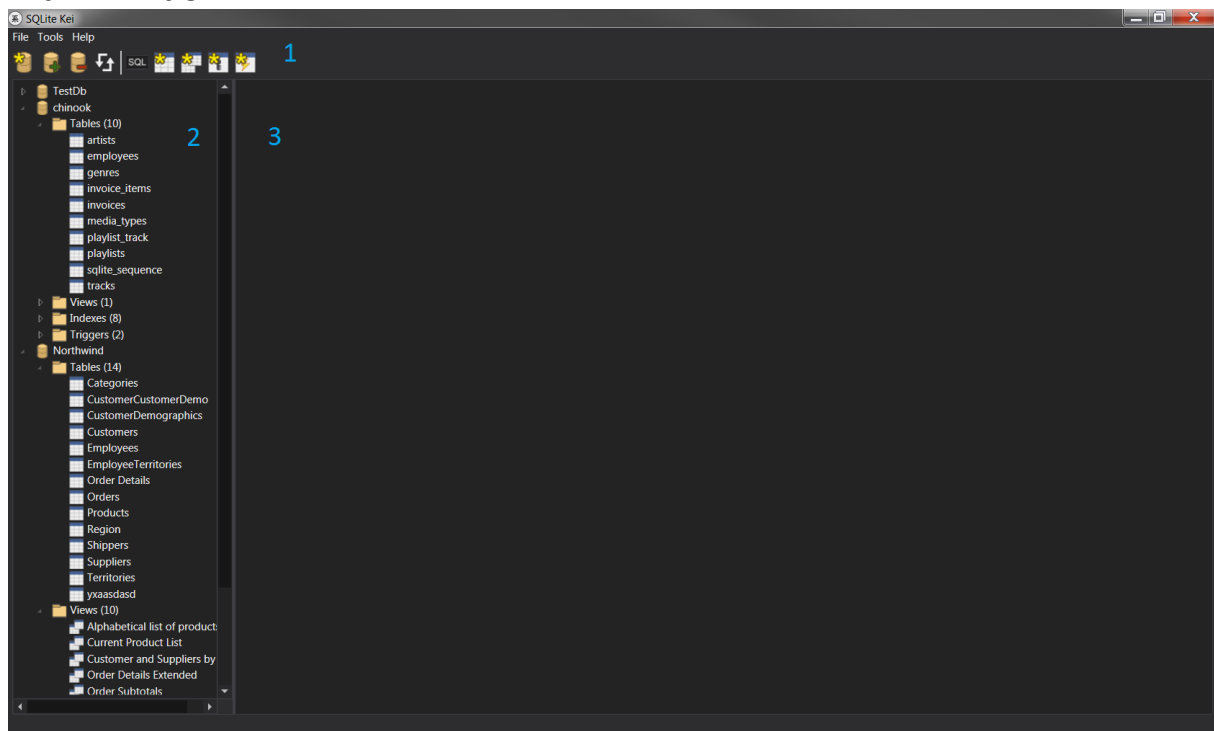


SQLite Kei Documentation

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Main Window



- (1) **The main menu area.** This section provides options to open, refresh and close databases, to open the Query Editor or to create Databases, Tables, Views, Indexes and Triggers.
- (2) **The main database tree.** This section lists all registered databases and their individual elements – tables, views, indexes and triggers. All elements have separate context menu options, which for example allow the user to delete, rename or otherwise interact with all elements.
When the application is closed, the last used databases will be saved
- (3) **The main details area.** Depending on the selected item in the tree, it shows different information and functionality.

Database Overview Tab

Northwind

About

Database Name: main

Database Path: C:\SQLite Kei Public\Northwind.slb **File Size:** 0,59 MB

Tables: 14 **Records:** 3309

Tables

Table	Columns	Records
Categories	4	8
CustomerCustomerDemo	2	0
CustomerDemographics	2	0
Customers	11	91
Employees	18	9
EmployeeTerritories	2	49
Order Details	5	2155
Orders	14	830
Products	10	77
Region	2	4
Shippers	3	3
Suppliers	12	29
Territories	3	53
yxaasdad	2	1

(1) **The database details.** This offers an overview about the database.

(2) **The table overview.** This shows a list of all existing tables in the database. You can select a table name and change it from there.

Table Overview Tab

Table artists Records

About

Table Name: artists

Number of Columns: 2 **Number of Records:** 273

SQL statement used to create this table

```
CREATE TABLE "artists"
(
  [ArtistId] INTEGER PRIMARY KEY AUTOINCREMENT NOT NULL,
  [Name] NVARCHAR(120)
)
```

Empty Reindex SQL Export CSV Export

Columns

Name	Data Type	Primary	NotNull	Default
ArtistId	INTEGER	True	True	
Name	NVARCHAR(120)	False	False	

New Delete

(1) **The table details.** This offers an overview of the table details. You can click on the table name and edit it from here.

(2) **Several table functions.** You can empty, reindex or export the table to different formats.

(3) **The column overview.** Shows all of the table columns and their definitions. You can add new tables and delete/edit their names. **Caution:** The delete and rename functionality are basically a recreation of the original table with a modified/removed column. During this process, only basic column definitions (PK, Type, NN, Default and Name) and the values will be preserved, while other constraints, like FK, will be lost.

Table Records Tab

Table Suppliers		Records											
Select	Select All	1			2	Elements per Page		30	<<	<	1/1	>	>>
SupplierID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode						
1	Exotic Liquids	Charlotte Cooper	Purchasing Manager	49 Gilbert St.	London		EC1 4SD						
2	New Orleans Cajun Delights	Shelley Burke	Order Administrator	P.O. Box 78934	New Orleans	LA	70117						
3	Grandma Kelly's Homestead	Regina Murphy	Sales Representative	707 Oxford Rd.	Ann Arbor	MI	48104						
4	Tokyo Traders	Yoshi Nagase	Marketing Manager	9-8 Sekimai Musashino-shi	Tokyo		100						
5	Cooperativa de Quesos 'Las Cabras'	Antonio del Valle Saavedra	Export Administrator	Calle del Rosal 4	Oviedo	Asturias	33007						
6	Mayumi's	Mayumi Ohno	Marketing Representative	92 Setsuko Chuo-ku	Osaka		545						
7	Pavlova, Ltd.	Ian Devling	Marketing Manager	74 Rose St. Moonie Ponds	Melbourne	Victoria	3058						
8	Specialty Biscuits, Ltd.	Peter Wilson	Sales Representative	29 King's Way	Manchester		M14 GSD						
9	PB Knøckebrød AB	Lars Peterson	Sales Agent	Kaloadagatan 13	Göteborg		S-345 67						
10	Refrescos Americanas LTDA	Carlos Diaz	Marketing Manager	Av. das Americanas 12.890	Sao Paulo		5442						
11	Heli Söwaren GmbH & Co. KG	Petra Winkler	Sales Manager	Tiergartenstraße 5	Berlin		10785						
12	Plutzer Lebensmittelgroßmärkte AG	Martin Bein	International Marketing Mgr.	Bogenallee 51	Frankfurt		60439						
13	Nord-Ost-Fisch Handelsgesellschaft mbH	Sven Petersen	Coordinator Foreign Markets	Frahmredder 112a	Cuxhaven		27478						
14	Formaggi Fortini s.r.l.	Elio Rossi	Sales Representative	Viale Dante, 75	Ravenna		48100						
15	Norske Meierier	Beate Vileid	Marketing Manager	Hatlevegen 5	Sandvika		1320						
16	Bigfoot Breweries	Cheryl Saylor	Regional Account Rep.	3400 - 8th Avenue Suite 210	Bend	OR	97101						
17	Svensk Sjöföda AB	Michael Björn	Sales Representative	Brovallavägen 231	Stockholm		S-123 45						
18	Aux joyeux ecclésiastiques	Guyane Nodier	Sales Manager	203, Rue des Francs-Bourgeois	Paris		75004						
19	New England Seafood Cannery	Robb Merchant	Wholesale Account Agent	Order Processing Dept. 2100 Paul Revere Blvd.	Boston	MA	02134						
20	Leka Trading	Chandra Leka	Owner	471 Serangoon Loop, Suite #402	Singapore		0512						
21	Lyngbysild	Niels Petersen	Sales Manager	Lyngbysild Fiskebakken 10	Lyngby		2800						
22	Zaanse Snoepfabriek	Dirk Luchte	Accounting Manager	Verkoop Rijnweg 22	Zaandam		9999 ZZ						
23	Karkki Oy	Anne Heikkonen	Product Manager	Valtakatu 12	Lappeenranta		53120						
24	G'day, Mate	Wendy Mackenzie	Sales Representative	170 Prince Edward Parade Hunter's Hill	Sydney	NSW	2042						
25	Ma Maison	Jean-Guy Lauzon	Marketing Manager	2960 Rue St. Laurent	Montréal	Québec	H1J 1C3						
26	Pasta Buttini s.r.l.	Giovanni Giudici	Order Administrator	Via dei Gelsomini, 153	Salerno		84100						
27	Escargots Nouveaux	Marie Delamare	Sales Manager	22, rue H. Voiron	Montceau		71300						
28	Gai pâturage	Eliane Noz	Sales Representative	Bat. B 3, rue des Alpes	Annecy		74000						
29	Forêts d'érables	Chantal Goulet	Accounting Manager	148 rue Chasseur	Ste-Hyacinthe	Québec	J2S 7S8						
Rows returned: 29													

- Select functionality.** Select All will do a SELECT * FROM and show the result data, while SELECT will open the Select Query Editor window.
- Paging functionality.** You can define how many elements per page you want to see and navigate through the result pages.
- The main data grid.** Shows the results of your chosen select statement. You can inline-edit the results or use the DEL key on your keyboard to delete the selected row. (Note: the list will be reloaded after a deletion).

View Overview Tab

View Alphabetical list of products

About 1

Name of the view: Alphabetical list of products

View Definition 2

```
SELECT Products.*, Categories.CategoryName FROM Categories INNER JOIN Products ON Categories.CategoryID = Products.CategoryID WHERE (((Products.Discontinued)=0))
```

Update

View Content 3

ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued	CategoryName
1	Chai	1	1	10 boxes x 20 bags	18	39	0	10	0	Beverages
2	Chang	1	1	24 - 12 oz bottles	19	17	40	25	0	Beverages
3	Aniseed Syrup	1	2	12 - 550 ml bottles	10	13	70	25	0	Condiments
4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	22	53	0	0	0	Condiments
6	Grandma's Boysenberry Spread	3	2	12 - 8 oz jars	25	120	0	25	0	Condiments
7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	30	15	0	10	0	Produce
8	Northwoods Cranberry Sauce	3	2	12 - 12 oz jars	40	6	0	0	0	Condiments
10	Ikura	4	8	12 - 200 ml jars	31	31	0	0	0	Seafood
11	Queso Cabrales	5	4	1 kg pkg.	21	22	30	30	0	Dairy Products
12	Queso Manchego La Pastora	5	4	10 - 500 g pkgs.	38	86	0	0	0	Dairy Products
13	Konbu	6	8	2 kg box	6	24	0	5	0	Seafood
14	Tofu	6	7	40 - 100 g pkgs.	23.25	35	0	0	0	Produce
15	Genen Shouyu	6	2	24 - 250 ml bottles	15.5	39	0	5	0	Condiments
16	Pavlova	7	3	32 - 500 g boxes	17.45	29	0	10	0	Confections
18	Camaron Tigers	7	8	16 kg pkg.	62.5	42	0	0	0	Seafood
19	Teatime Chocolate Biscuits	8	3	10 boxes x 12 pieces	9.2	25	0	5	0	Confections
20	Sir Rodney's Marmalade	8	3	30 gift boxes	81	40	0	0	0	Confections
21	Sir Rodney's Scones	8	3	24 pkgs. x 4 pieces	10	3	40	5	0	Confections
22	Gustaf's Knöckebröd	9	5	24 - 500 g pkgs.	21	104	0	25	0	Grains/Cereals

- (1) **The view details.** Shows the view name and allows the you to modify it.
- (2) **The view definition.** Shows the SELECT statement by which the view is defined. It can be changed and updated from here.
- (3) **The view content.** Shows the results of the view SELECT statement. If the definition changes, the content will also be updated.

Index Overview Tab

Index IFK_InvoiceCustomerId

About

Index Name: IFK_InvoiceCustomerId **ON** invoices

Enforces Uniqueness: ☒

SQL statement used to create this index

```
CREATE INDEX [IFK_InvoiceCustomerId] ON "invoices" ([CustomerId])
```

The **index overview tab** shows the basic definition of the selected index. You can change the name and define if the index should enforce uniqueness.

Trigger Overview Tab

Trigger xyz

About

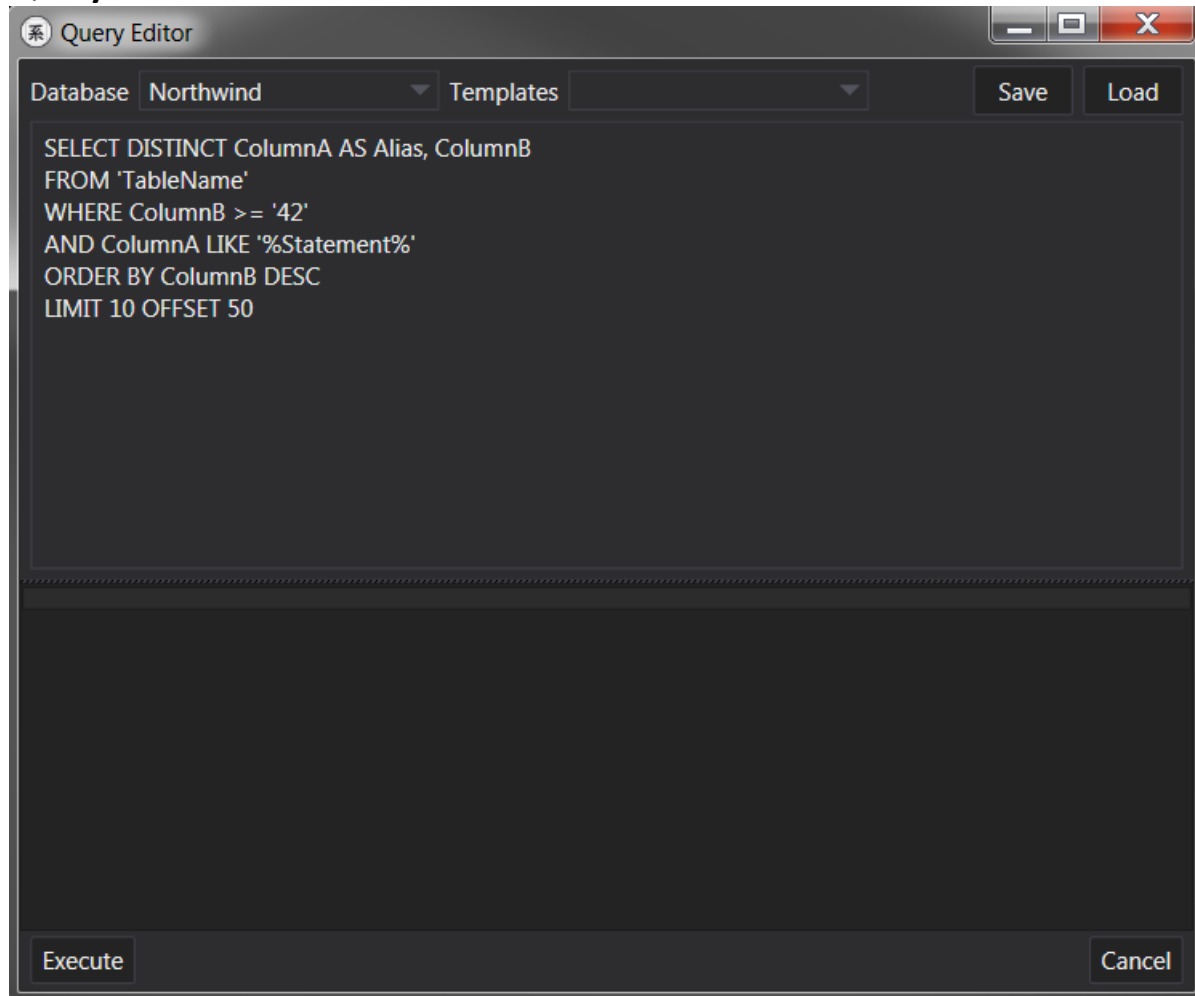
Name of the trigger: employeetrigger **ON** employees

SQL statement used to create this trigger

```
CREATE TRIGGER 'employeetrigger'  
BEFORE INSERT ON 'employees'  
FOR EACH ROW  
WHEN 1<2  
BEGIN  
SELECT * FROM EMPLOYEES;  
END
```

The **trigger overview tab** shows the definition of the trigger and allows you to change the name.

Query Editor



The query editor allows you to send plain SQL to the specified database.

The upper half of the window is used to define the SQL and on which database the SQL will be fired.

It also offers a list of basic SQL templates and the option to load and save queries to .sql files.

The bottom half will show a data grid if the executed SQL is a SELECT statement.

You can execute your SQL by using the Execute button or by pressing CTRL+Return on your keyboard.

You can also select a part of your written SQL and execute only the selected portion.

Table Creator

Database: TestDb Table Name: NewTable

Columns Foreign Keys SQL

Column Name	DataType	PK	NN	Default Value
NewColumn	Varchar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<Name>	Varchar	<input type="checkbox"/>	<input type="checkbox"/>	

Add column

Create Close

The **table creator** allows you to create new tables on the selected database. It is split up in three tabs.

The **Column tab** allows you to add and define new columns.

The **Foreign Keys tab** allows you to define foreign keys on already specified columns.

The **SQL tab** shows the create statement that will finally be fired against your database.

View Creator

Database: Northwind View Name: NewView

View definition

☒ If Not Exists

SELECT * FROM SomeTable

Create Close

- Categories
 - CategoryID
 - CategoryName
 - Description
 - Picture
- CustomerCustomerDemo
- CustomerDemographics
- Customers
- Employees
- EmployeeTerritories
- Order Details
- Orders
- Products
- Region

The **view creator** allows you to create new views on the selected database.

The left side is used to define the new view, while the right side shows all existing tables on the currently selected database. This makes it easier to write the view's select statement without having to look up table and column definitions manually.

Index Creator

Create Index

Definition SQL

Database: Northwind Index Name: NewIndex

ON: Orders ☐ If Not Exists ☐ Unique

Column Usage

Ascending	OrderID
Do not use	CustomerID
Descending	EmployeeID
Do not use	OrderDate
Do not use	RequiredDate

WHERE

Where Something is Something

Create Close

The **index creator** allows you to create new indexes on the selected database. It consists of two tabs.

The **Definition tab** allows you to define the index.

The **SQL tab** shows you the final statement that will be fired against the database.

Trigger Creator

Create Trigger

Definition SQL

Database Northwind Trigger Name TriggerName ☐ If Not Exists ☐ For Each Row

Event Definition

INSTEAD OF UPDATE OF ON Alphabetical list of products

Columns

☒ ProductID ☒ ProductName ☒ SupplierID ☒ CategoryID ☒ QuantityPerUnit ☒ UnitPrice

☒ UnitsInStock ☒ UnitsOnOrder ☐ ReorderLevel ☒ Discontinued ☒ CategoryName

WHEN Expression

1 + 1 = 11

Trigger Actions (steps separated by semicolon)

DELETE FROM Categories

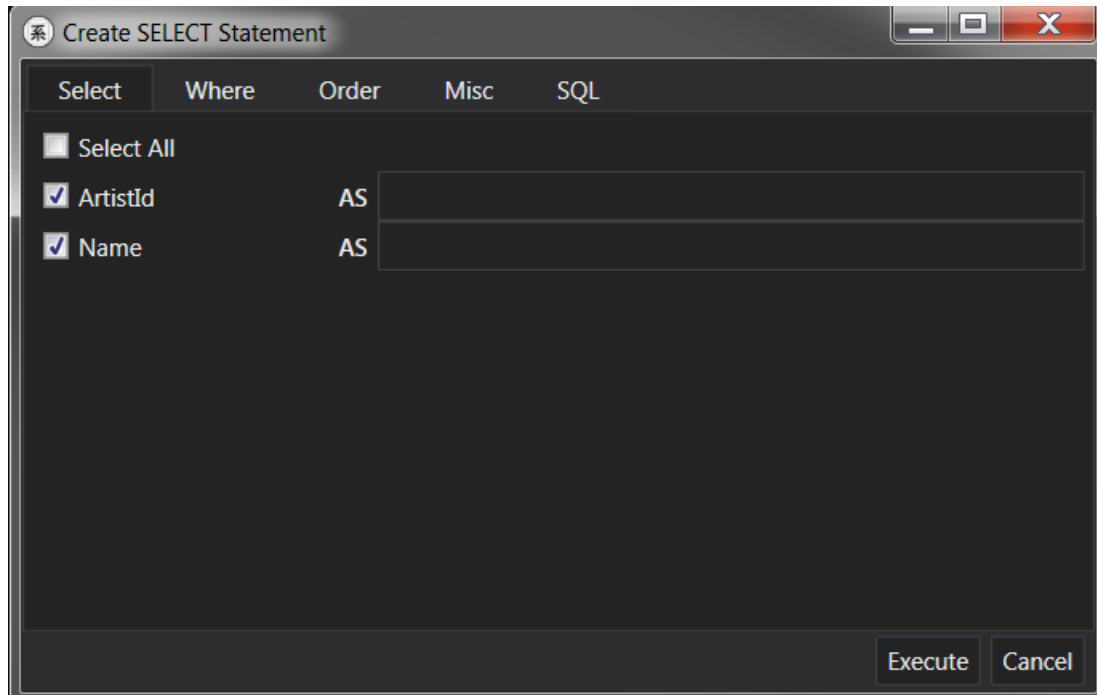
Create Close

The **trigger creator** allows you to create new triggers on the selected database. It consists of two tabs.

The **Definition tab** allows you to define the trigger.

The **SQL tab** shows you the final statement that will be fired against the database.

Select Window



The Select Window allows you to create custom select statements. It consists of five tabs:

The Select tab allows you to define which columns you want to include in the SELECT and if you want to use any aliases for them. If all columns are selected, the statement will be defaulted to a wildcarded SELECT * FROM statement.

The Where tab allows you to include Where statements on any of the selected columns. They will not be included if the compare value is left empty.

The Order tab allows you to include order statements.

The Misc tab allows you to add additional keywords, such as DISTINCT and LIMIT OFFSET.

The SQL tab shows you the final statement that will be fired against the database.

Note that whilst you can edit the SQL statement, this will not affect the other tabs and your manual changes will be overwritten by changes in any other tab.

After a select statement was executed and while the user has not changed the selected table from the main database tree, pressing the Select button on the table records tab will reload the last used settings again.