Article
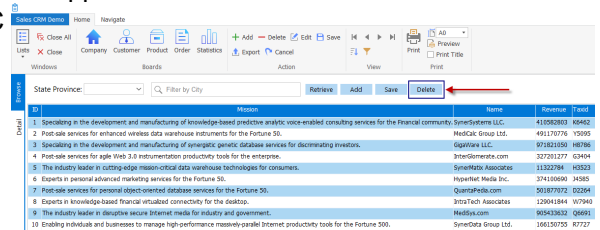[Muhammad Waseem](#) · Nov 17, 2021 2m read

Deleting data to Caché by using ODBC connection from Appeon PowerBuilder

In my previous articles I demonstrated the steps to connect, retrieve and save data to Caché from Appeon PowerBuilder by using ODBC.
In this article I will demonstrated how to Delete data from Caché with Appeon PowerBuilder (https://www.appeon.com/products/powerbuilder) by using ODBC

I am using Company.cls from Samples-Data (https://github.com/intersystems/Samples-Data/tree/master/cls/Sample)

So Let's start:

Step 1 : First of all we need to establish a connection (https://community.intersystems.com/post/connecting-cach%C3%A9-appeon-pow...)
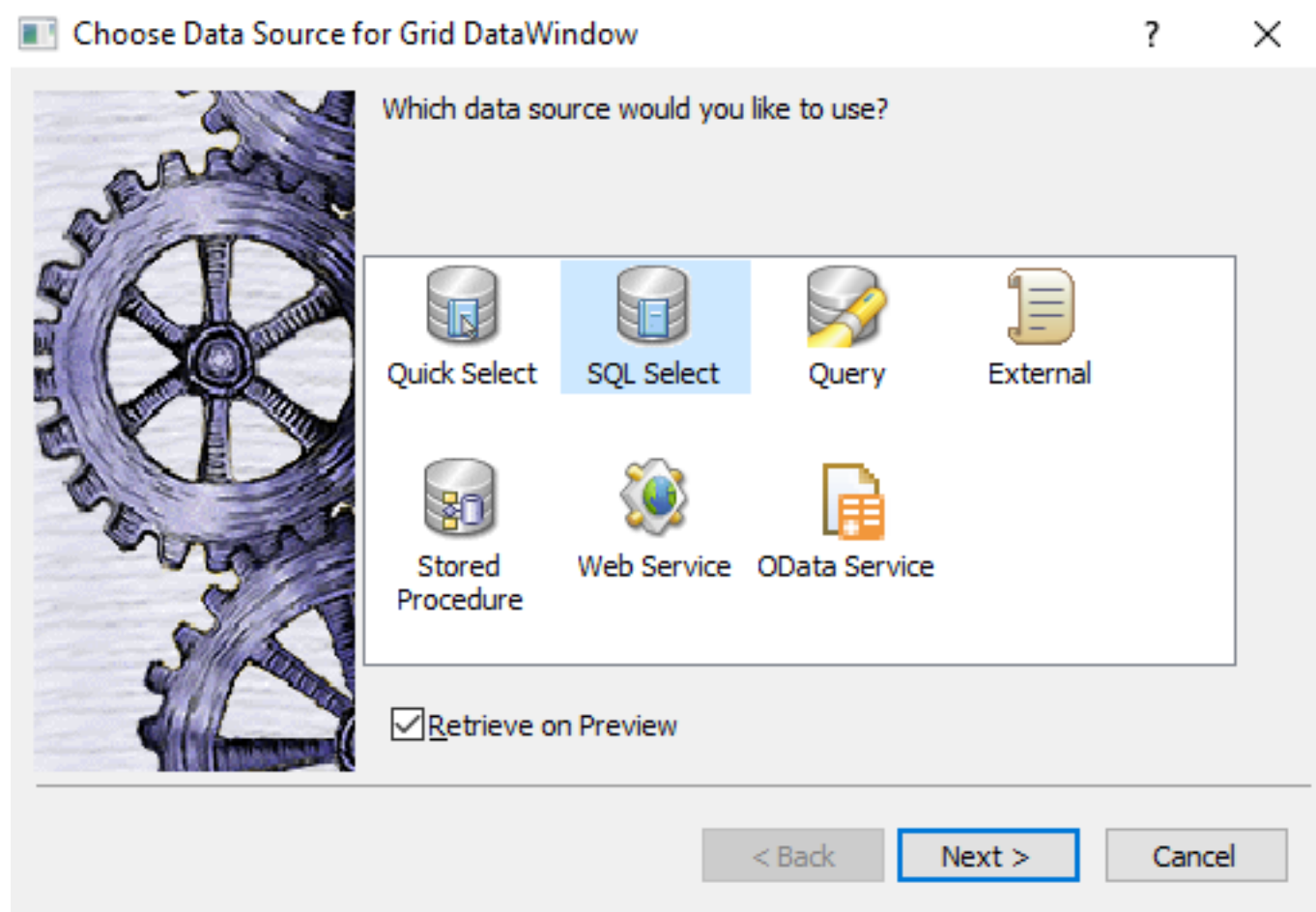
Step 2 : We need to create datawindow object which will link to Company class.

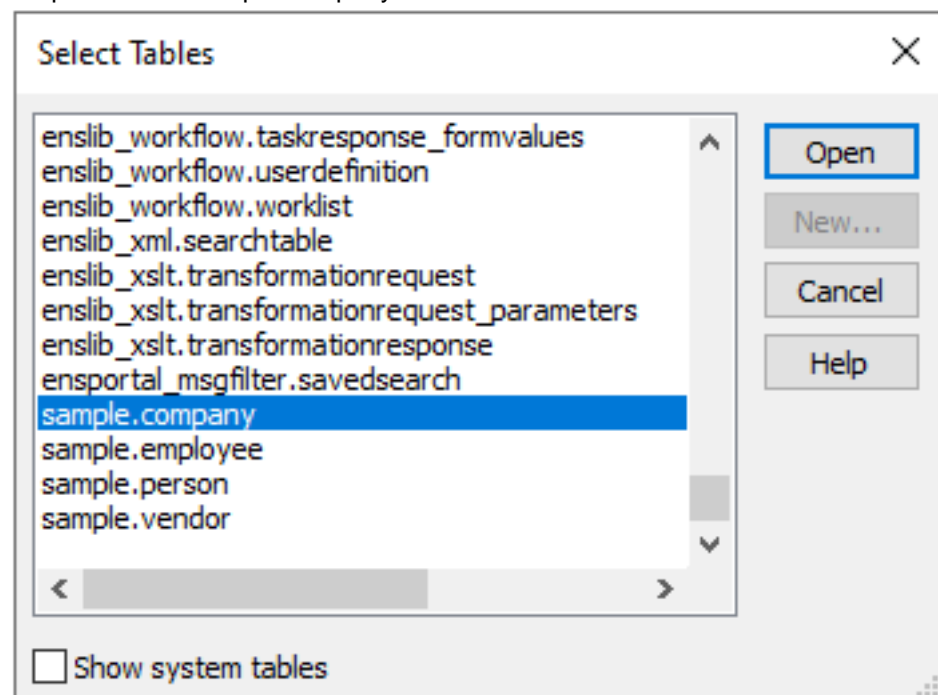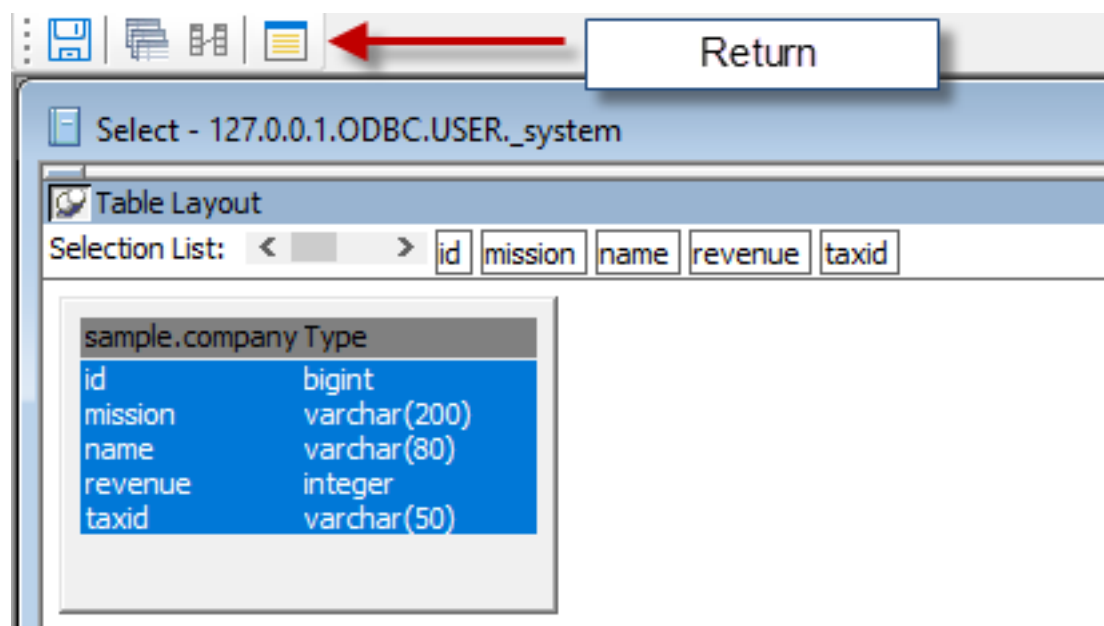From File menu select New and select Freeform datawindow object from DataWindow Tab

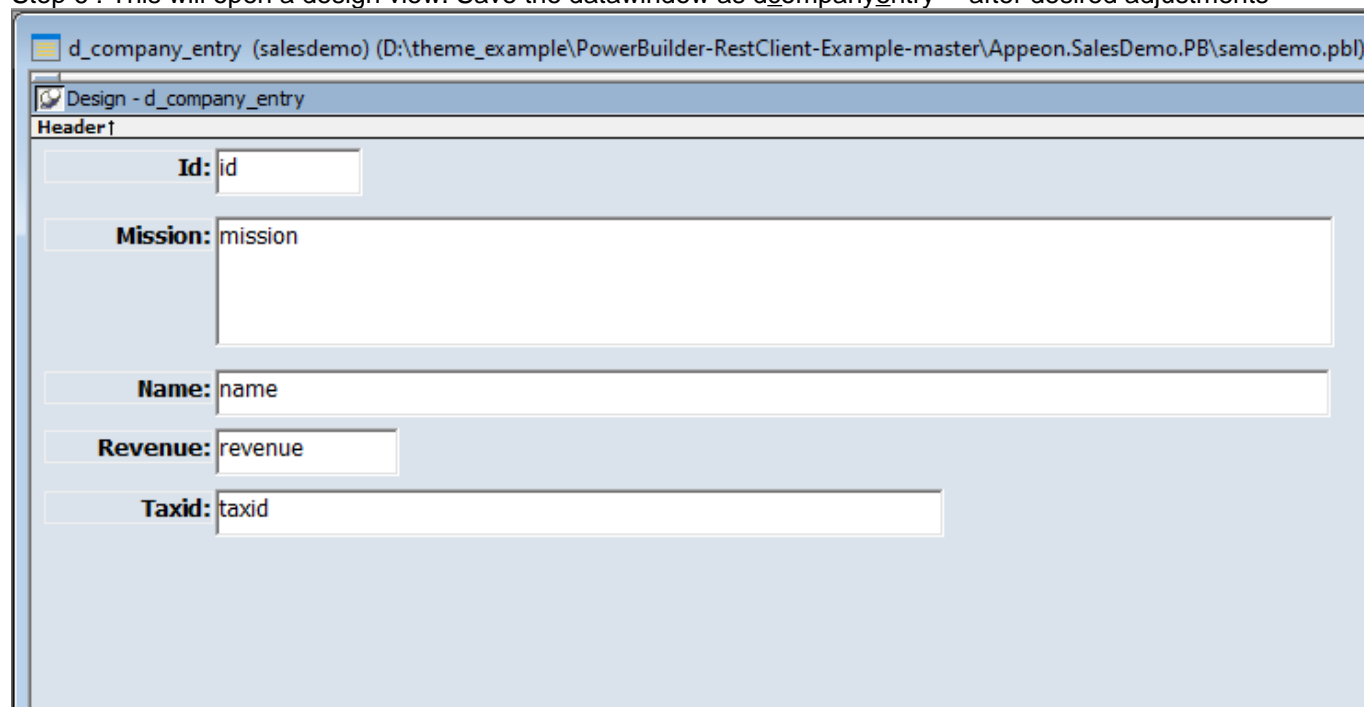Step 3 : Select SQL Select from data source list

Choose Data Source for Grid DataWindow

Which data source would you like to use?

Quick Select   SQL Select   Query   External

Stored   Web Service   OData Service
Procedure

☑ Retrieve on Preview

< Back   Next >   Cancel

Step 4 : Select sample.company from Tables list

Select Tables

enslib_workflow.taskresponse_formvalues
enslib_workflow.userdefinition
enslib_workflow.worklist
enslib_xml.searchtable
enslib_xslt.transformationrequest
enslib_xslt.transformationrequest_parameters
enslib_xslt.transformationresponse
ensportal_msgfilter.savedsearch
sample.company
sample.employee
sample.person
sample.vendor

Open
New...
Cancel
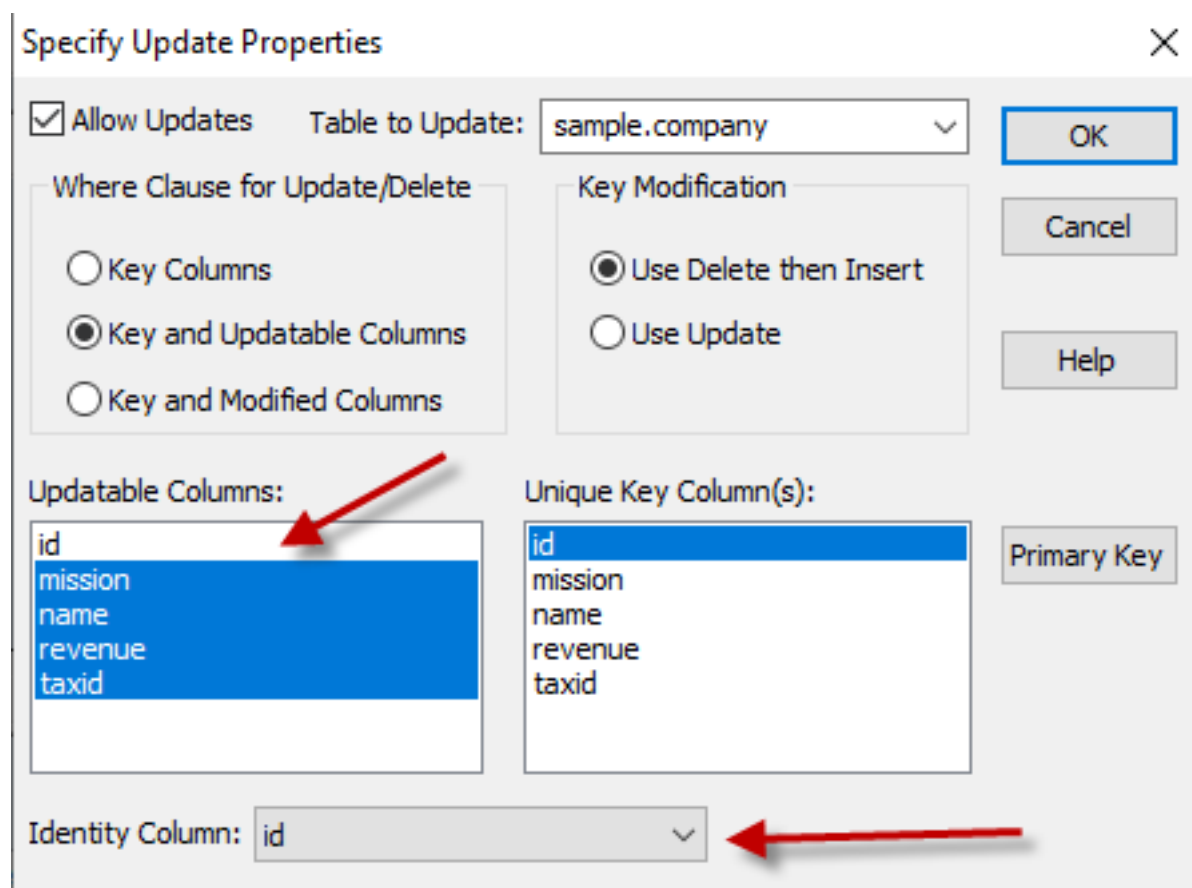Help

☐ Show system tables

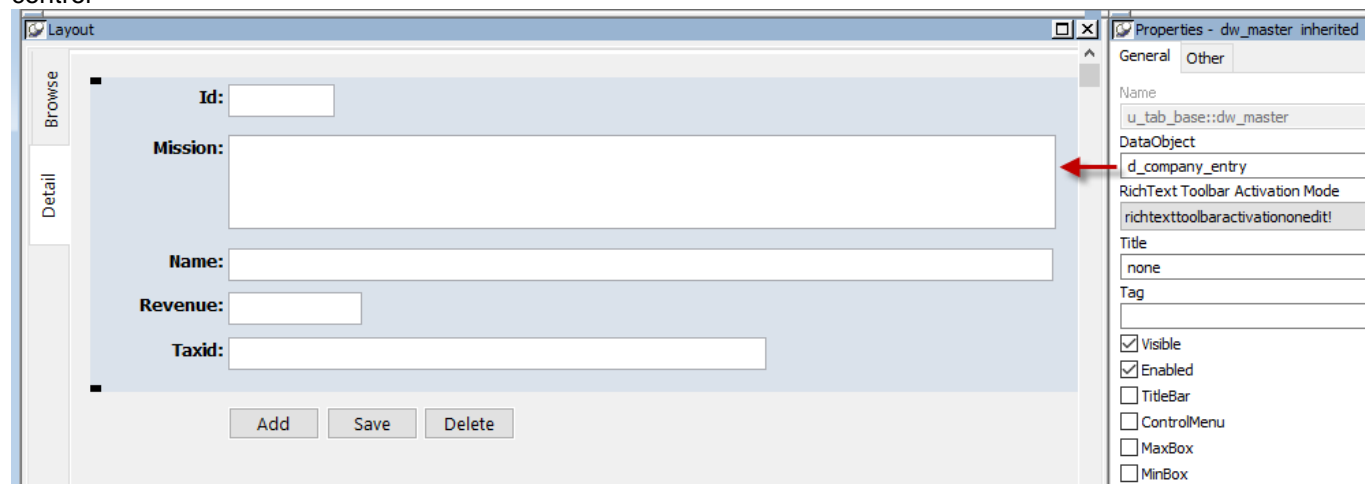Step 5 : Select desired columns from column list and press Return

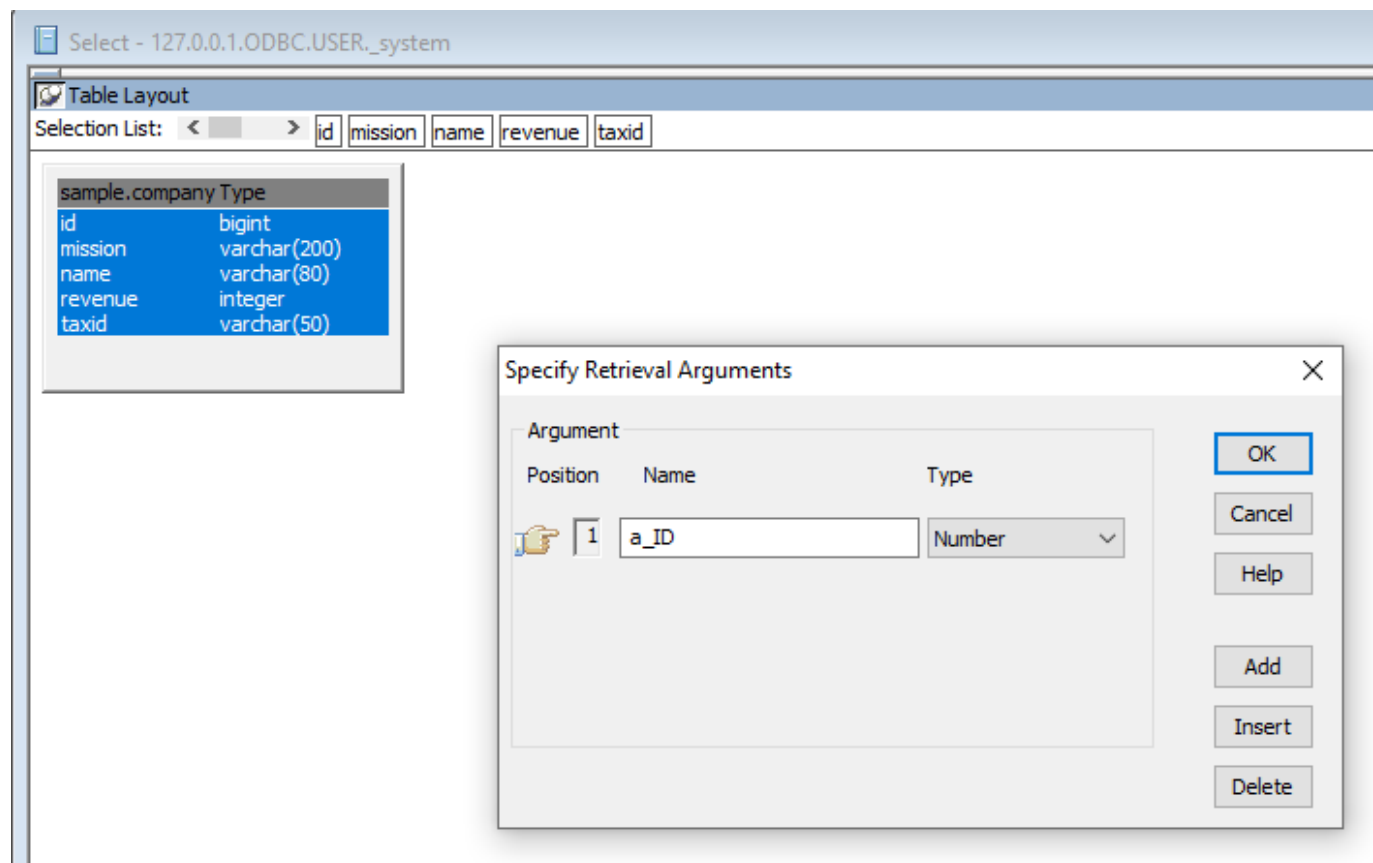Step 6 : This will open a design view. Save the datawindow as dcompanyentry   after desired adjustments

Step 7 : Make sure to de-select id column from undated columns list and select id from Identity column list as id will be generated automatically from Caché
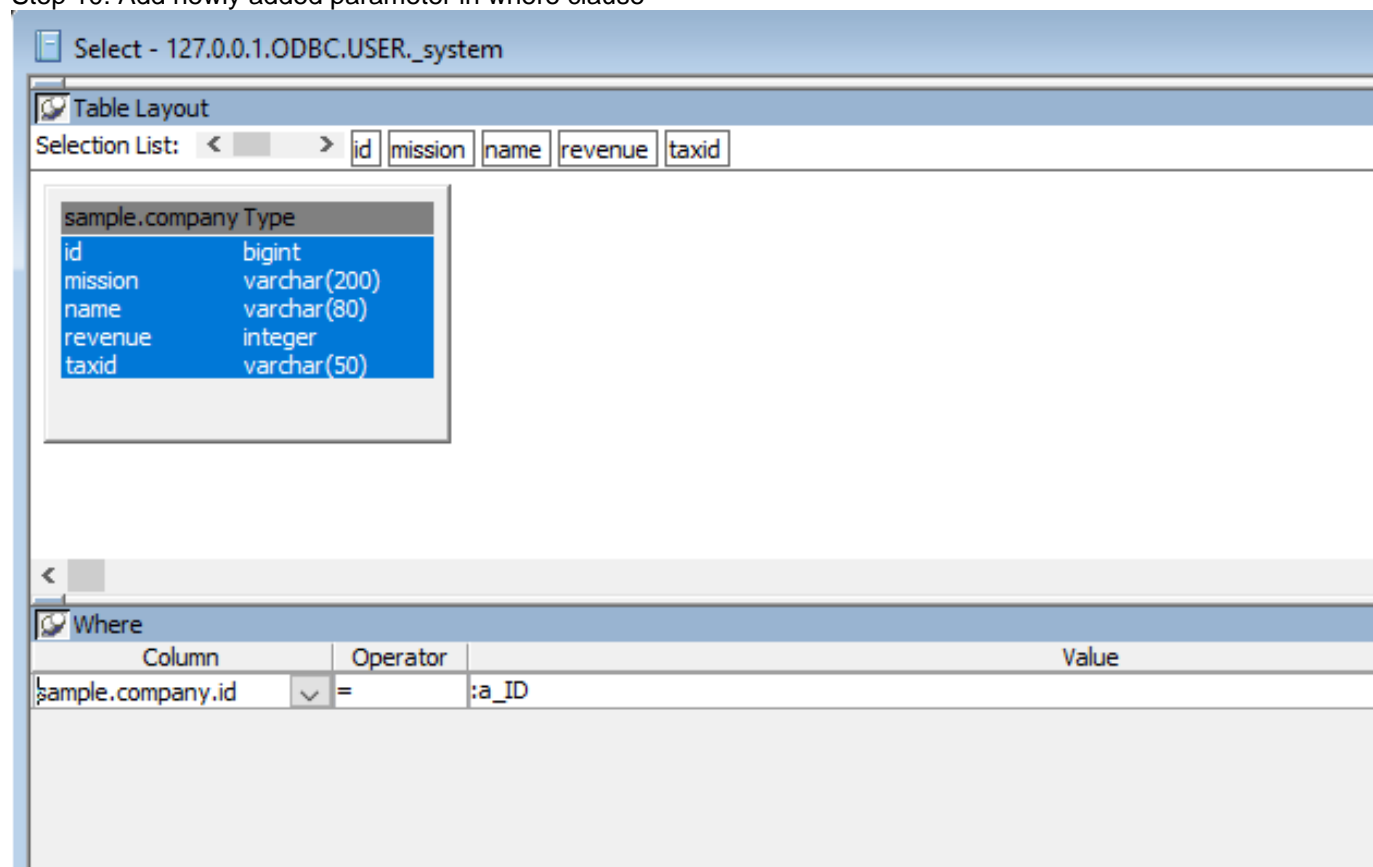
Step 8 : In the window control add datawindow object(dcompanyentry)   which we already created to datawindow control

Step 9 : Add Retrieval Arguments to retrieve the data based on ID, for this we will add (From menu Design > Retrieval Aurguments) in our datawindow control

Step 10: Add newly added parameter in where clause

Step 11 : Retrieve the data based on ID by using datawindow control function Retrieve(ID)

Step 12 : Delete record by using datawindow control deleterow() function, This is same like %DeleteID class method

That's it. ID 21 is deleted

| Execute | Show Plan | Show History | Query Builder | Display Mode ⌄ | **Max** 1000 | more |

```
SELECT
ID, Mission, Name, Revenue, TaxID
FROM Sample.Company
```

Row count: **20** Performance: **0.009** seconds **342** global references **3265** commands executed **4** disk read latency (ms) Cached Query: %sqlcq.USER.cls23 Last update: 2021-11-17 18:07:21.841 Print

ID	Mission	Name	Revenue	TaxID
1	Specializing in the development and manufacturing of knowledge-based predictive analytic voice-enabled consulting services for the Financial community.	SynerSystems LLC.	410582803	K6462
2	Post-sale services for enhanced wireless data warehouse instruments for the Fortune 50.	MediCalc Group Ltd.	491170776	Y5095
3	Specializing in the development and manufacturing of synergistic genetic database services for discriminating investors.	GigaWare LLC.	971821050	H8786
4	Post-sale services for agile Web 3.0 instrumentation productivity tools for the enterprise.	InterGlomerate.com	327201277	G3404
5	The industry leader in cutting-edge mission-critical data warehouse technologies for consumers.	SynerMatix Associates	11322784	H3523
6	Experts in personal advanced marketing services for the Fortune 50.	HyperNet Media Inc.	374100690	J4585
7	Post-sale services for personal object-oriented database services for the Fortune 50.	QuantaPedia.com	501877072	D2264
8	Experts in knowledge-based financial virtualized connectivity for the desktop.	IntraTech Associates	129041844	W7940
9	The industry leader in disruptive secure Internet media for industry and government.	MediSys.com	905433632	Q6691
10	Enabling individuals and businesses to manage high-performance massively-parallel Internet productivity tools for the Fortune 500.	SynerData Group Ltd.	166150755	R7727
11	Leaders in eco-friendly secure application development connectivity for the enterprise.	InterTech Inc.	876679613	G2204
12	Developers of sustainable secure instrumentation productivity tools for mobile devices.	DynaCalc Group Ltd.	152327464	K4989
13	Specializing in the development and manufacturing of dynamic multi-media devices and connectivity for the enterprise.	AccuTech Gmbh.	928135607	Z2975
14	The industry leader in premise-based object-oriented graphical technologies for capital markets.	TeleSonics Media Inc.	285297940	O7072
15	Resellers of intelligent natural language application development instruments for consumers.	GigaCalc Media Inc.	42788883	L8288
16	Experts in secure digital voice-enabled gaming for additive manufacturing.	GigaGlomerate Holdings Inc.	29203149	S4241
17	The industry leader in knowledge-based enterprise application development middle-ware for mobile devices.	PicoDynamics LLC.	523626197	M7374
18	Resellers of open-source predictive analytic XML apps for the enterprise.	RoboTel.com	409832003	D3336
19	Resellers of breakthrough financial devices and consulting services for the Financial community.	OptiComp LLC.	727626252	C1723
20	Resellers of enterprise forecasting content for mobile devices.	MetaSoft.com	121490138	J1092

20 row(s) affected

Thanks

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