

How to create Database (GUI)



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I am a student of BCS in University of science and technology Bannu. We have assigned a project that was whole sell Management.

DBMS PROJECT BY SIR SADAQAT

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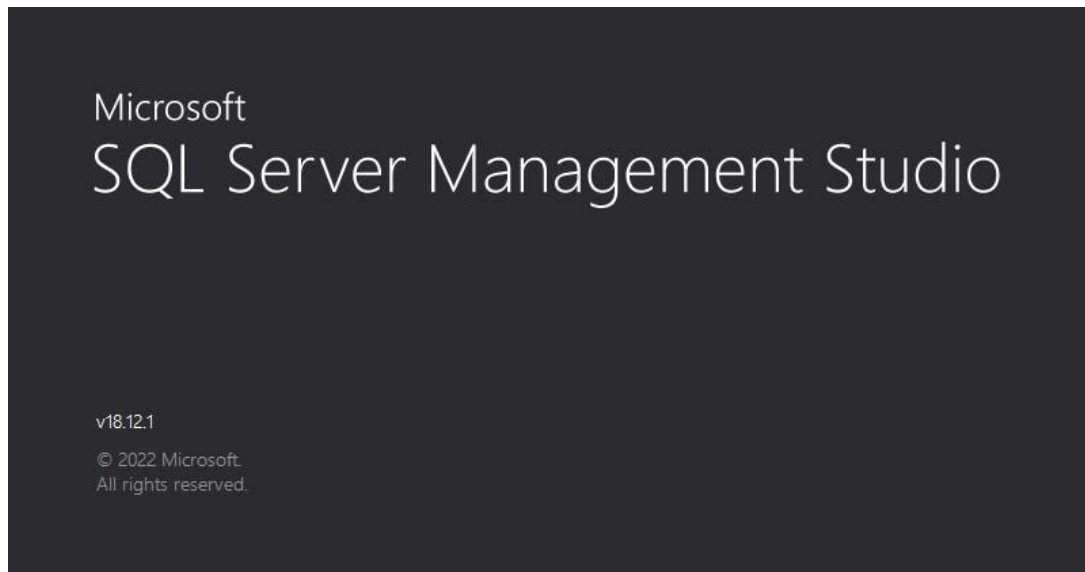
How to create a database with GUI

First of all make sure you have installed SQL server and SQL Management Studio on your system.



Press or click on window button write **SQL** in search bar and press enter.

Now after some while a new window will appear like below



After some while you have to see like this

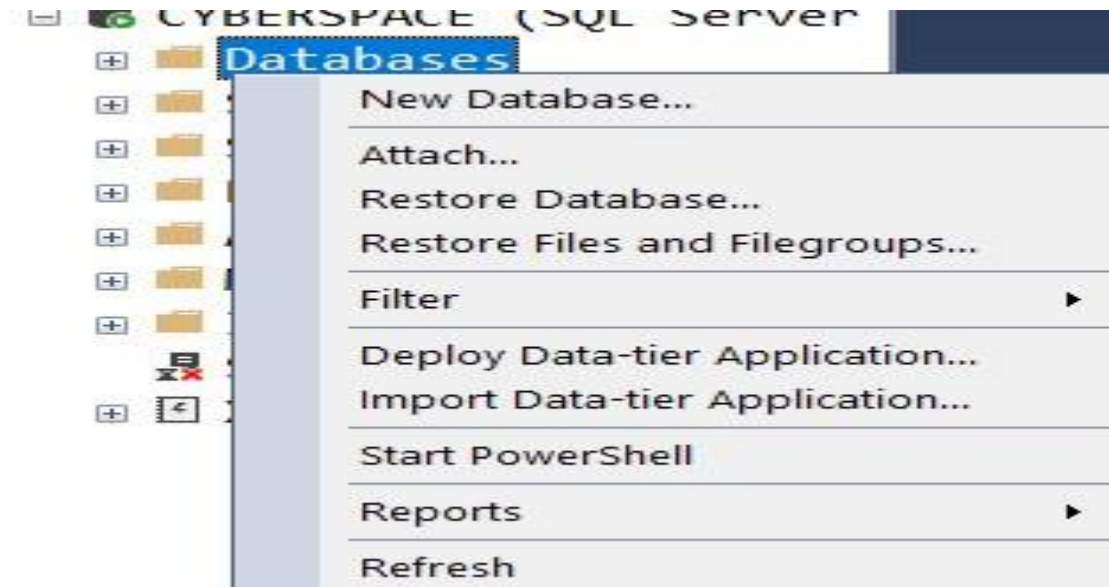


Select server name that you have installed and then press on Connect button.

Go to the object explorer on left side of the **SQL** management server's window,

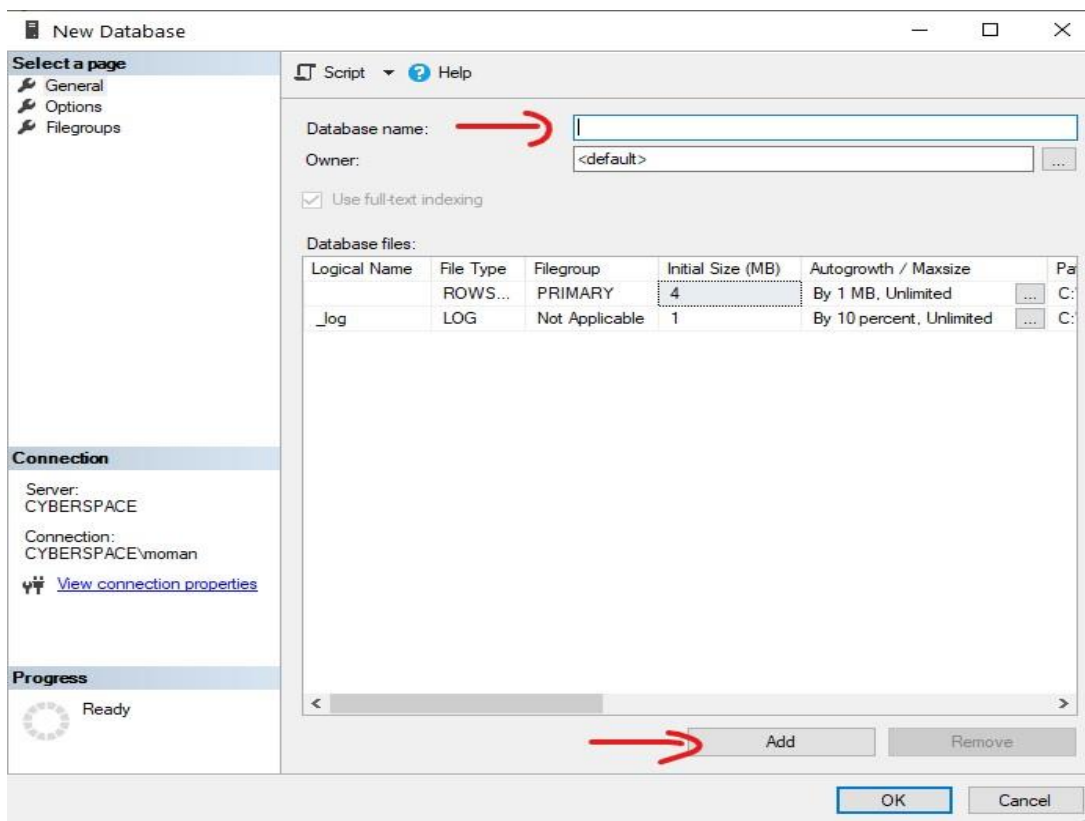
Creating a database (GUI)

Under it you will see Databases right click on it



Click on new database...

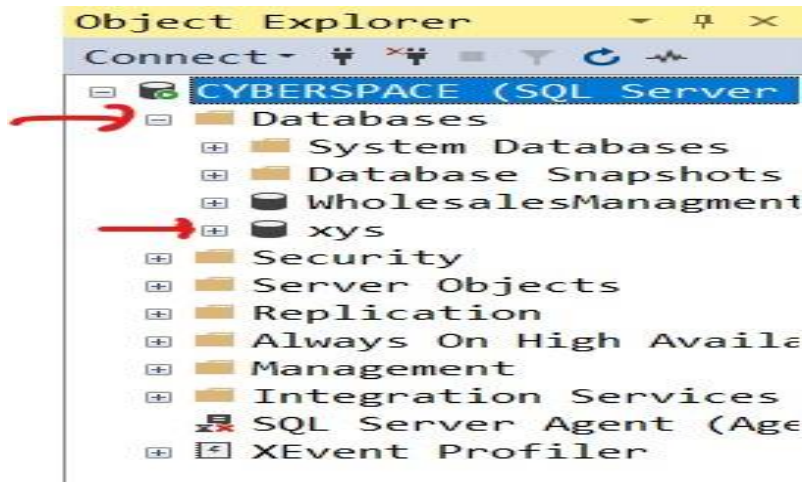
Now a window will appear like bellows one



Give desired name to your new database and hit on ok.

Creating a database (GUI)

Once you did this you have to check your database in object explorer



Once you found your data base then you have to expand it by clicking on +



Than you will see like this



For creating a new table you have to right click on Tables than you will see like this

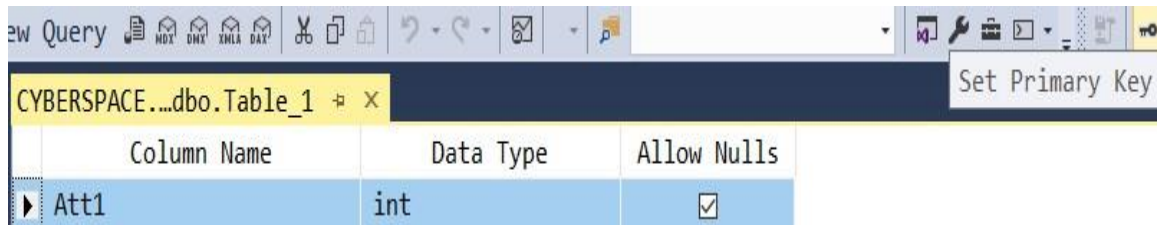


Hover on **New** and Click on **Table** you will see a new window like below

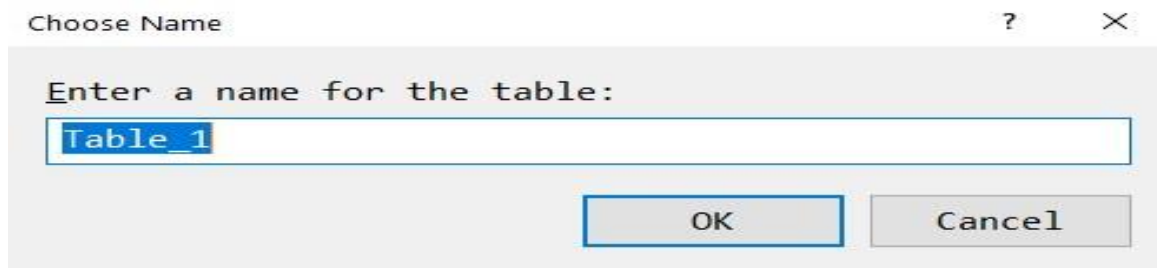
CYBERSPACE....dbo.Table_1*			
	Column Name	Data Type	Allow Nulls
	Att1	int	<input checked="" type="checkbox"/>
	Att2	varchar(50)	<input checked="" type="checkbox"/>
	[.]	nchar(10)	<input checked="" type="checkbox"/>
	[..]	nchar(10)	<input checked="" type="checkbox"/>
	[...]	nchar(10)	<input checked="" type="checkbox"/>
►	natt	nchar(10)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Now you have to specify your attributes of your table and their data type along with allow them null or not.

After specifying attributes of table, we create a column primary key like we select the column and hit on primary key



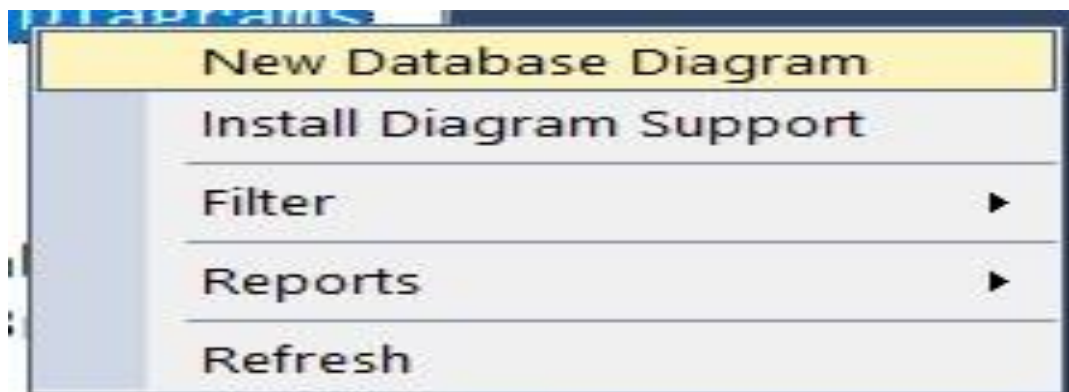
After this we can save our table with 'ctrl + s' with giving desired name and hit on OK.



For the relation of two tables we add primary key of one table into second table as foreign key by just adding an attribute as same as primary key of first table.

Creating Relationship Between To Tables

Creating relationships is nothing more than drag and drop first of all you have to right click on than this type of window will appear you have to click on New Database Diagram

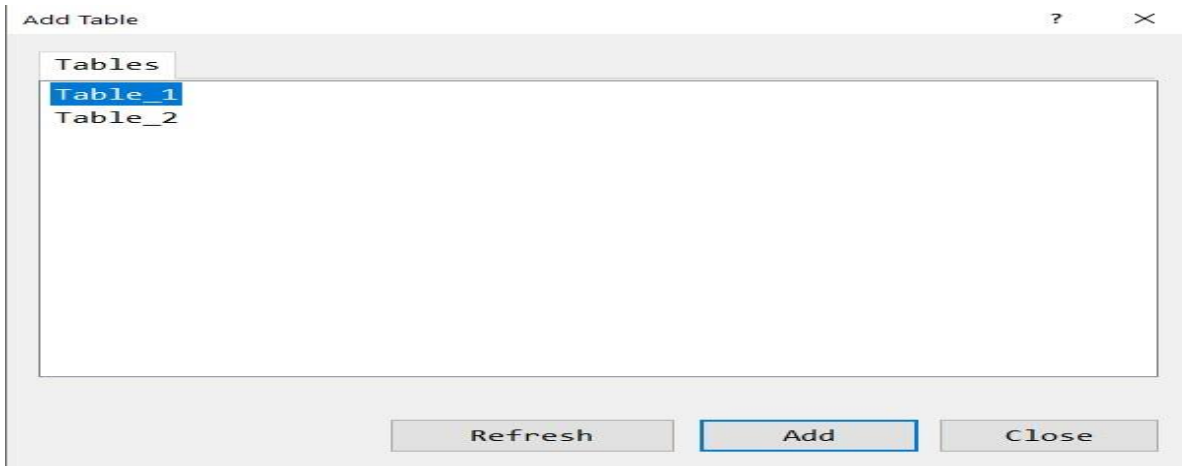


Creating a database (GUI)

Then you will see like this just hit on Yes



After hitting on YES you have to see like this



Select desired tables for relationship and click on Add button until all are added to window like this

Table_2	
🔑 [as]	
qwq	
Att1	

Table_1	
Att1	
Att2	
[.]	
[..]	
[...]	
natt	

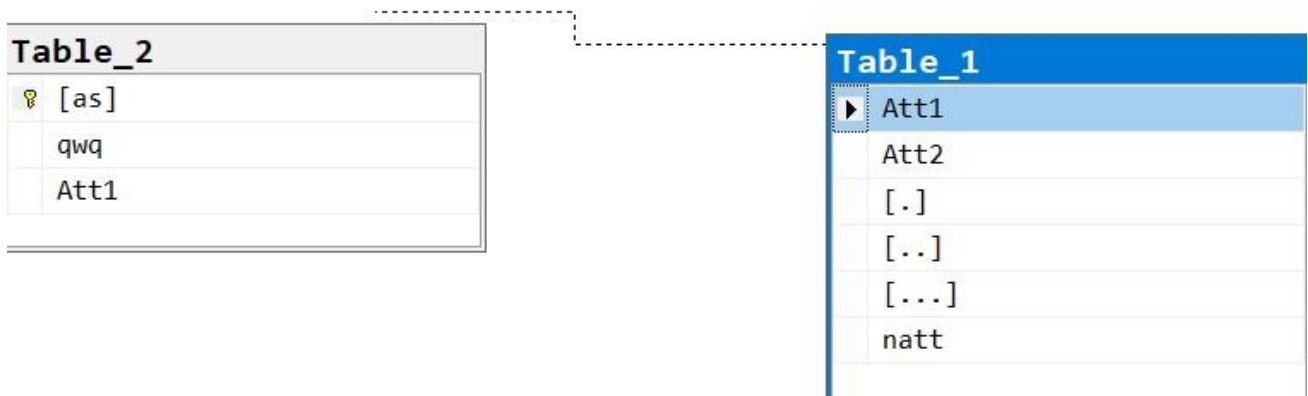
After adding all required tables you have to select an attribute that will be foreign key in another table just by left click on the column like this

Table_1	
▶ Att1	
Att2	

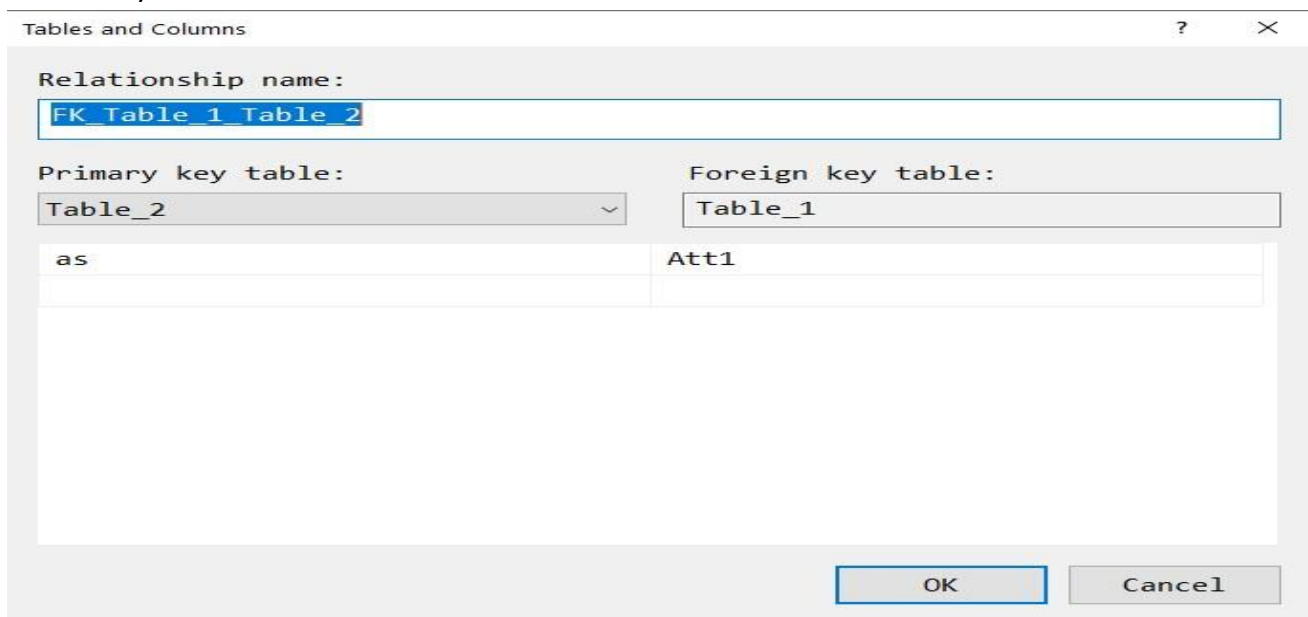
After the selection of the column you have to drag to another table where you want to relate it like

Below one I did

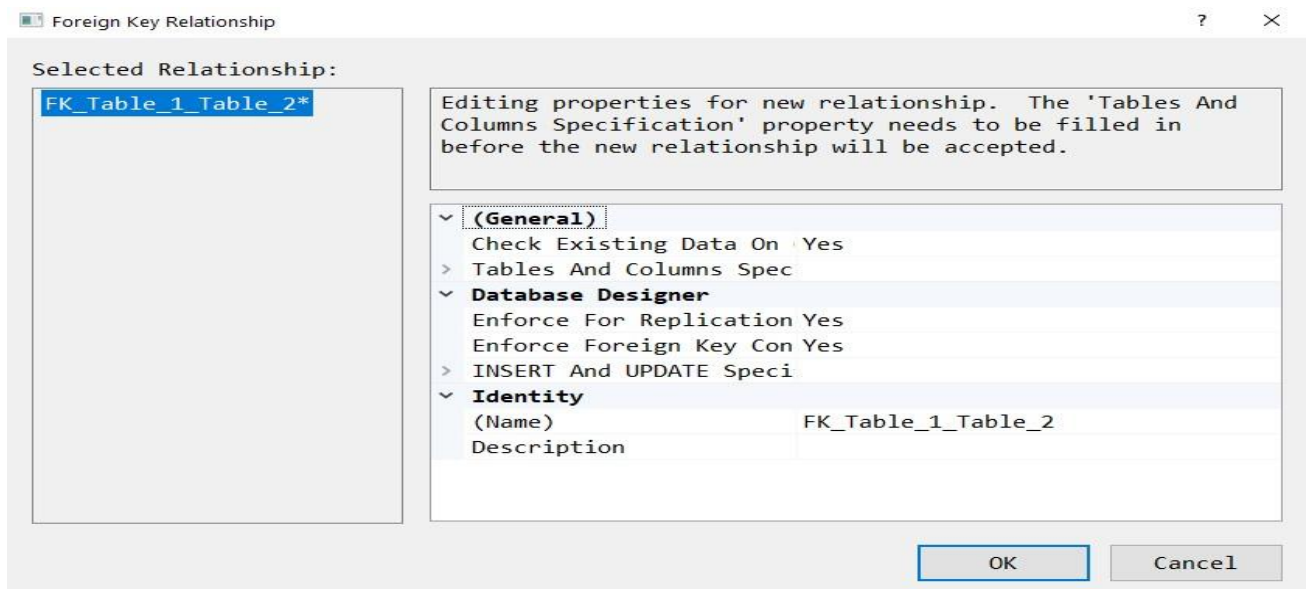
Creating a database (GUI)



After this you will see like this



Now in this window you will give a name to this relationship and after this just hit on OK. After clicking on OK you will Properties of Relationship like this

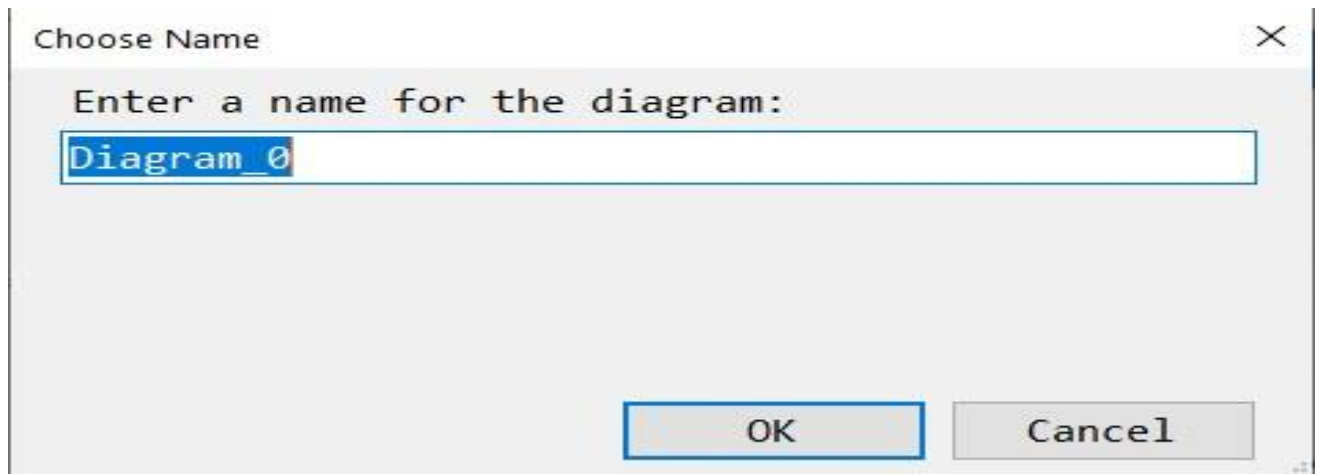


Creating a database (GUI)

Without specifying properties of a relationship just click on OK and you did it yea the relationship is established like we will see line between the tables which represents the relationship like



After this we have to save our work by pressing CTRL + S a popup will appear like



Give a name to diagram and click on OK.

Now it's done for relationship we have to move on to wards views let me to teach you that how we can create views from a database.

VIEWS IN DATABASE

For this we have to search back VIEW under our database in object explorer.

For example

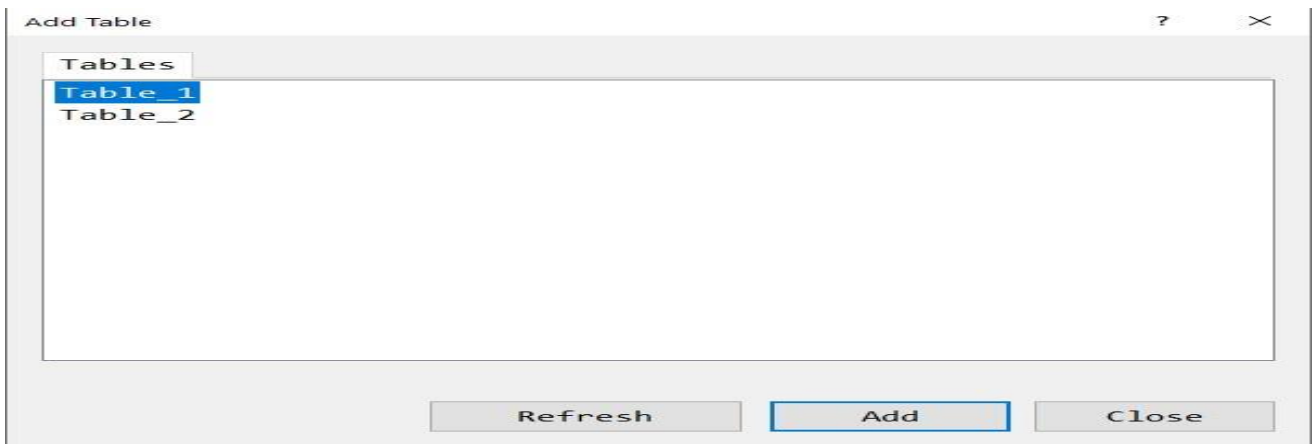


Once you found Views Right Click on it you will see

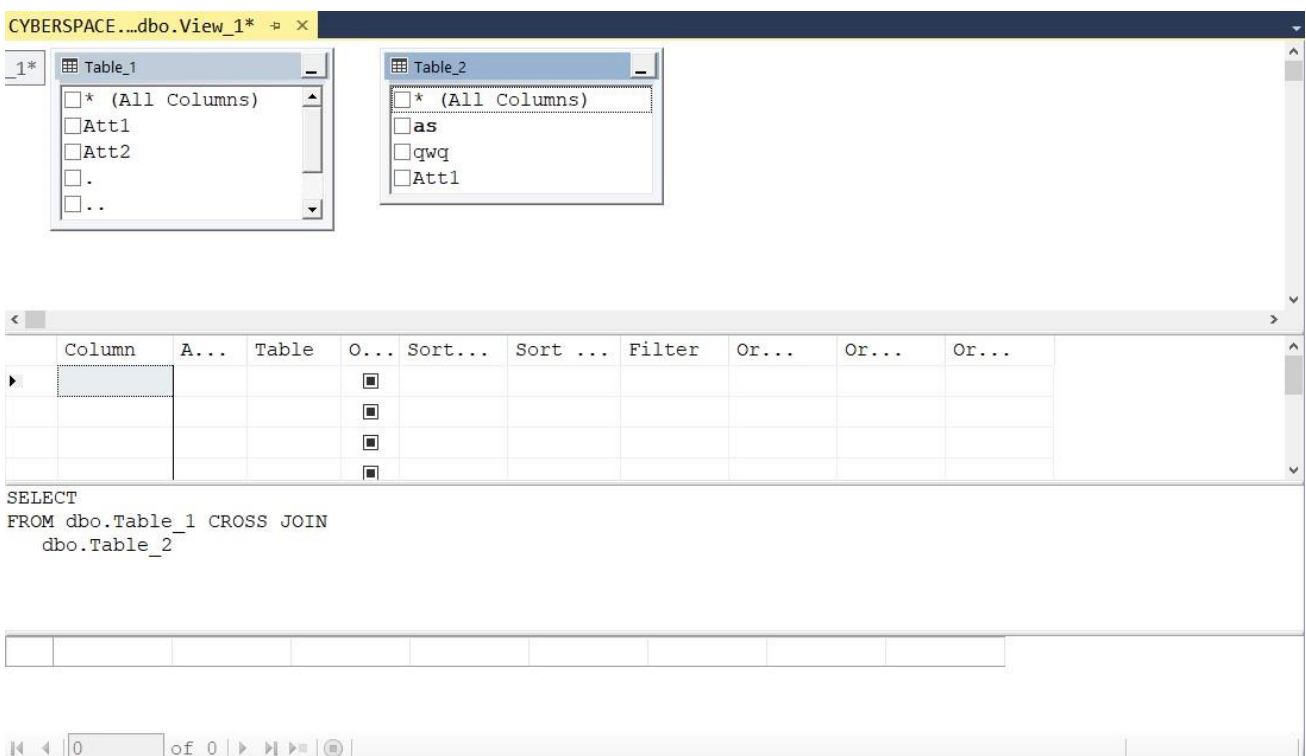
Creating a database (GUI)



Left click on New View... you will see a window appear like



Select desired tables and click on Add button from which you want to create a view after you will see that all your added tables are in window like



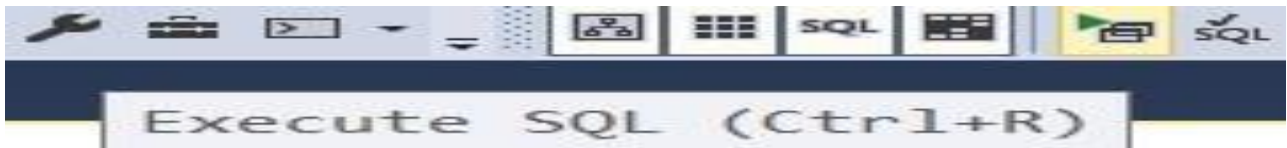
Creating a database (GUI)

Select all attributes from which you want to create view by clicking on square before every attribute like

☒ Att1
☐ Att2
☐ .
☐

Once you have selected all attributes than you have to click on EXECUTE SQL or CTRL + R button

Like



After clicking on it you will see output like

	Att1	Att2	as	qwq
--	------	------	----	-----

I do not entered any data so it's why it is empty otherwise you will see some data in view

So we are almost at end of our lesson so we have to do Project on the lesson so that will be understand better from now we will start Whole sell management Graphically inshallah.