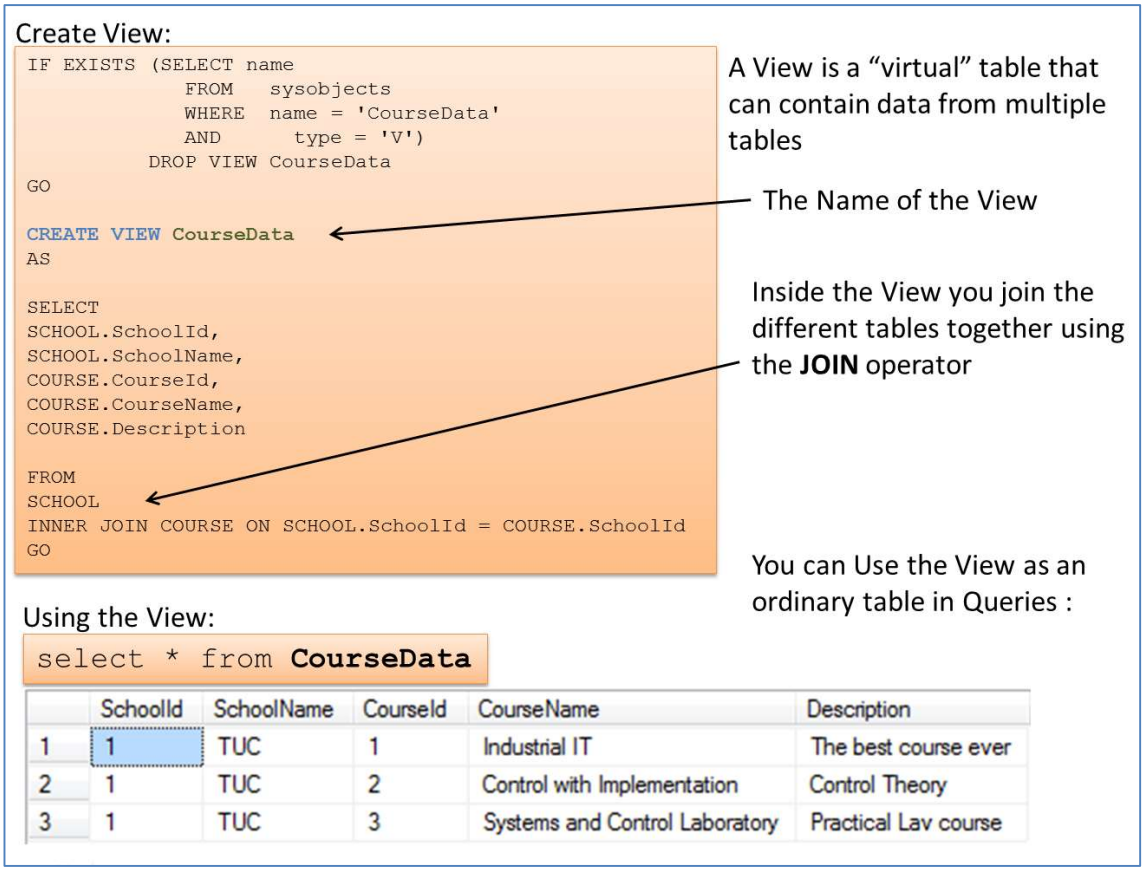
9 Views

Views are virtual table for easier access to data stored in multiple tables.



Syntax for creating a View:

```
CREATE VIEW <ViewName>
AS
…
```

... but it might be easier to do it in the graphical view designer that are built into SQL Management Studio.

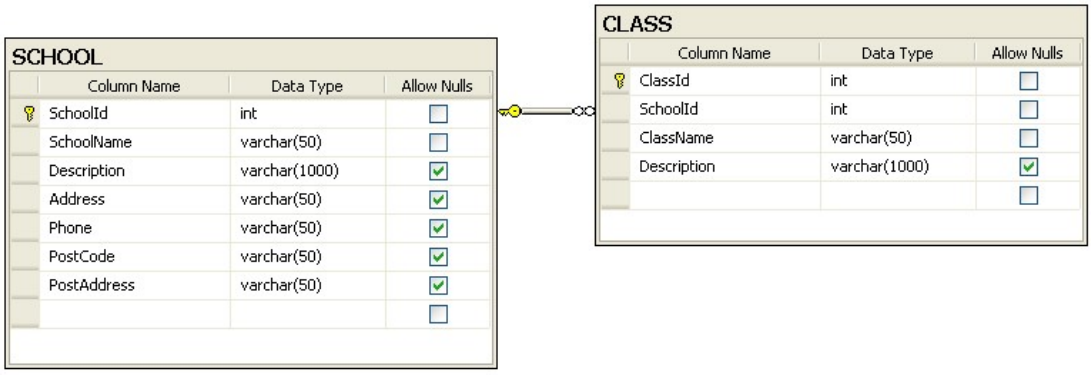
Syntax for using a View:

```
select * from <MyView> where …
```

As shown above, we use a VIEW just like we use an ordinary table.

Example:

We use the SCHOOL and CLASS tables as an example for our View. We want to create a View that lists all the existing schools and the belonging classes.



We create the VIEW using the CREATE VIEW command:

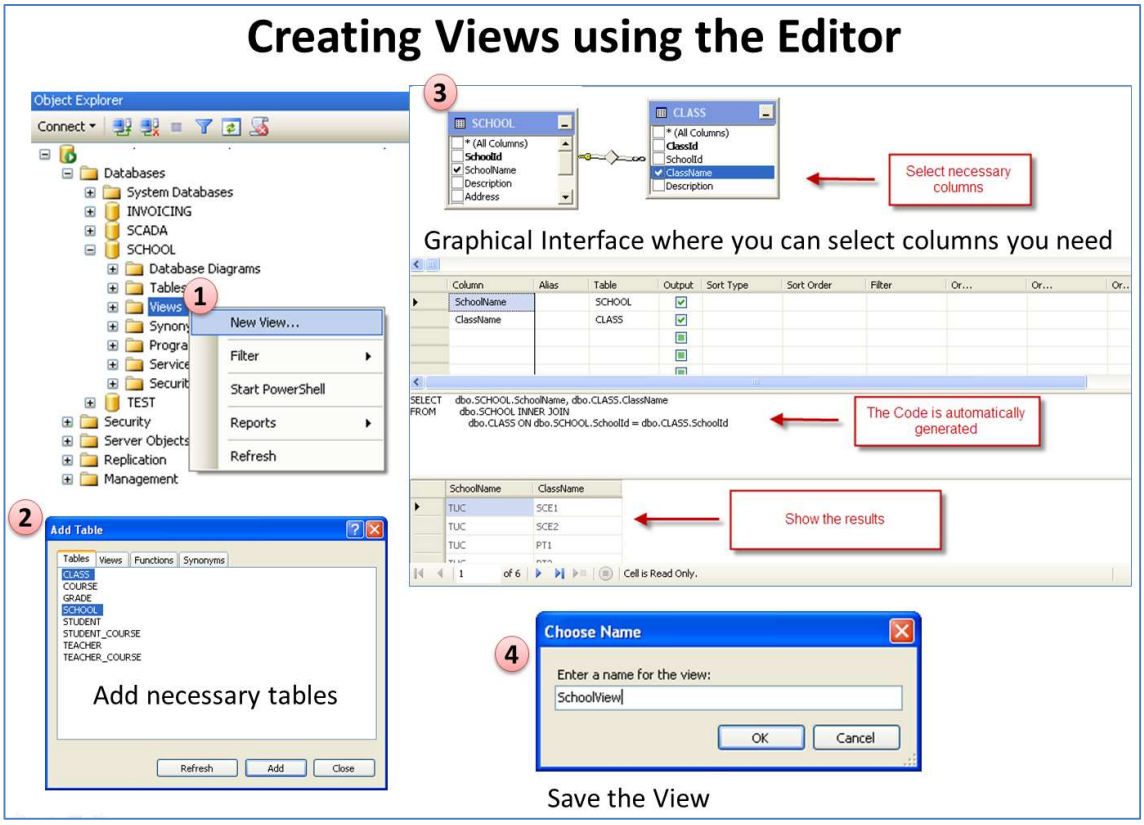
```
CREATE VIEW SchoolView
AS

SELECT
SCHOOL.SchoolName,
CLASS.ClassName
FROM
SCHOOL
INNER JOIN CLASS ON SCHOOL.SchoolId = CLASS.SchoolId
```

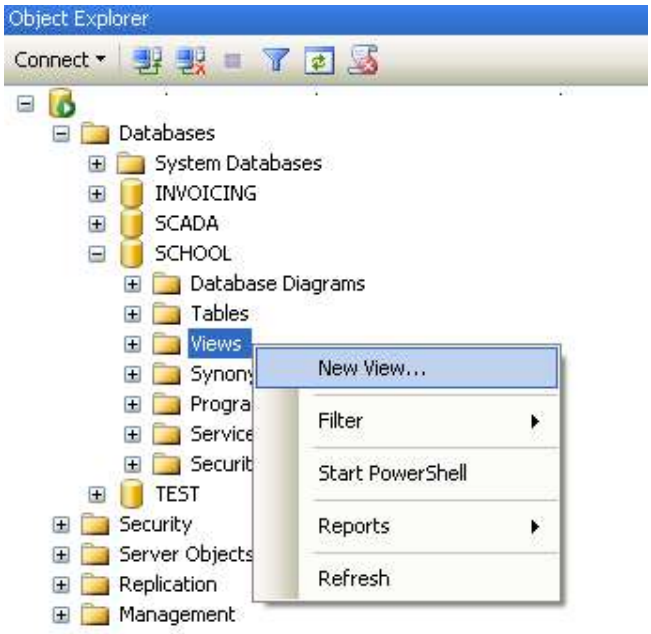
Note! In order to get information from more than one table, we need to link the tables together using a JOIN.

9.1 Using the Graphical Designer

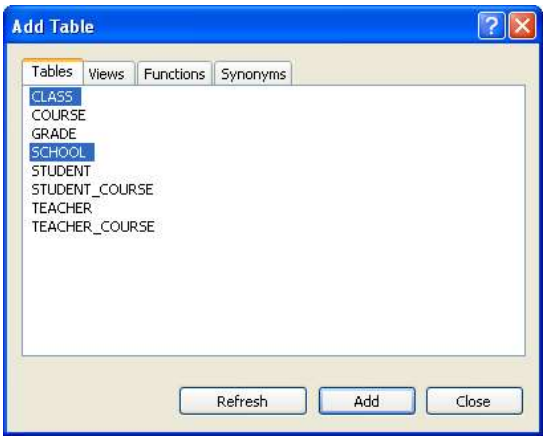
We create the same View using the graphical designer in SQL Server Management Studio:



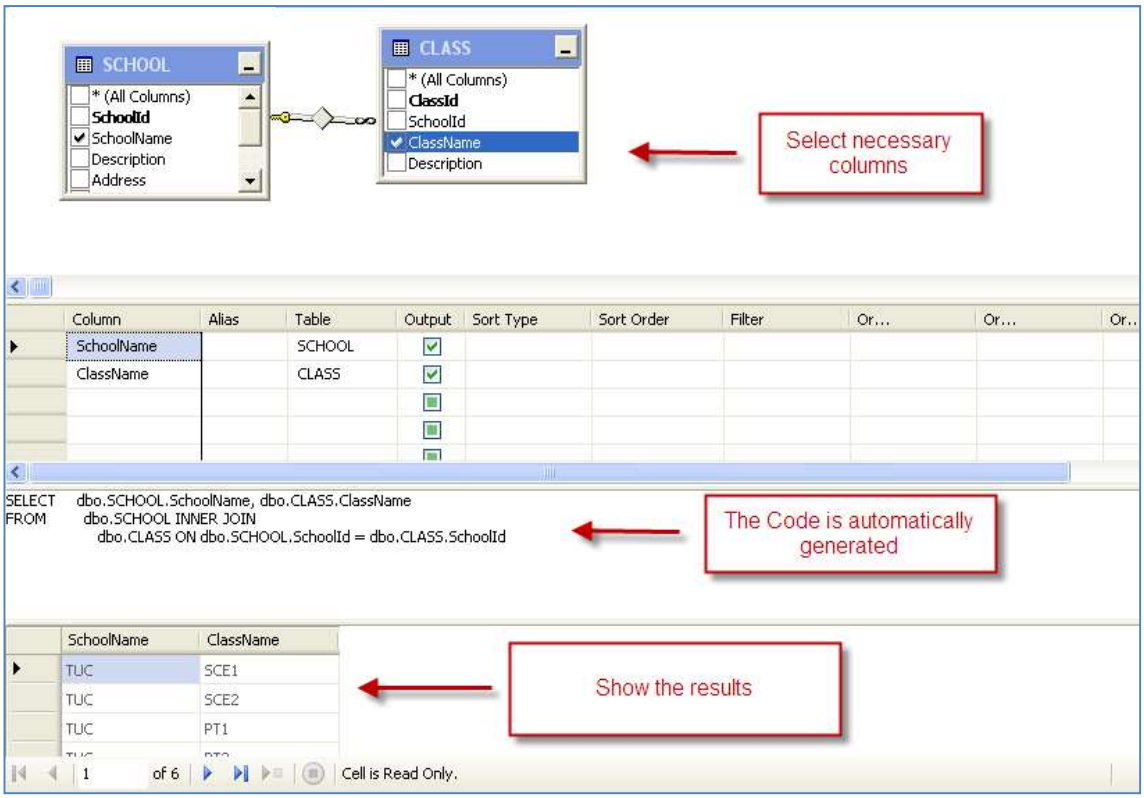
Step 1: Right-click on the View node and select “New View…”:



Step 2: Add necessary tables:



Step 3: Add Columns, etc.



Step 4: Save the VIEW:

Step 5: Use the VIEW in a query:

```
select * from SchoolView
```

	SchoolName	ClassName
1	TUC	SCE1
2	TUC	SCE2
3	TUC	PT1
4	TUC	PT2
5	NTNU	A1
6	NTNU	A2