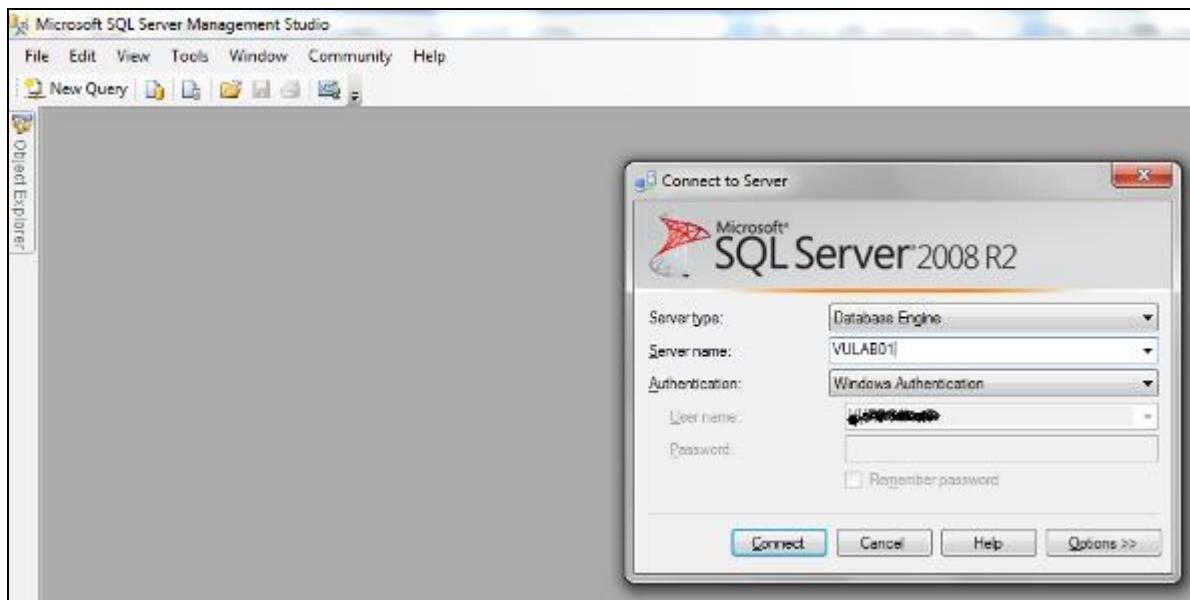
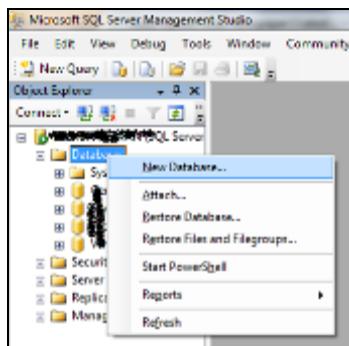


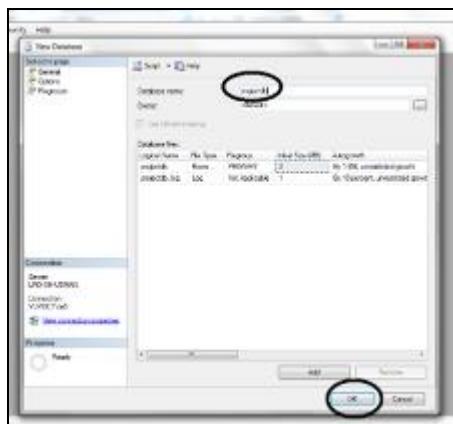
1) Start Sql Server 2008 Management Studio Express



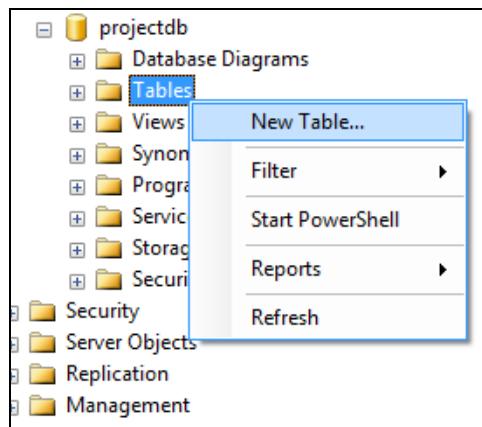
2) Create a new database



3) Enter database name



4) Create new table



5) Set table column names, their data types and other properties

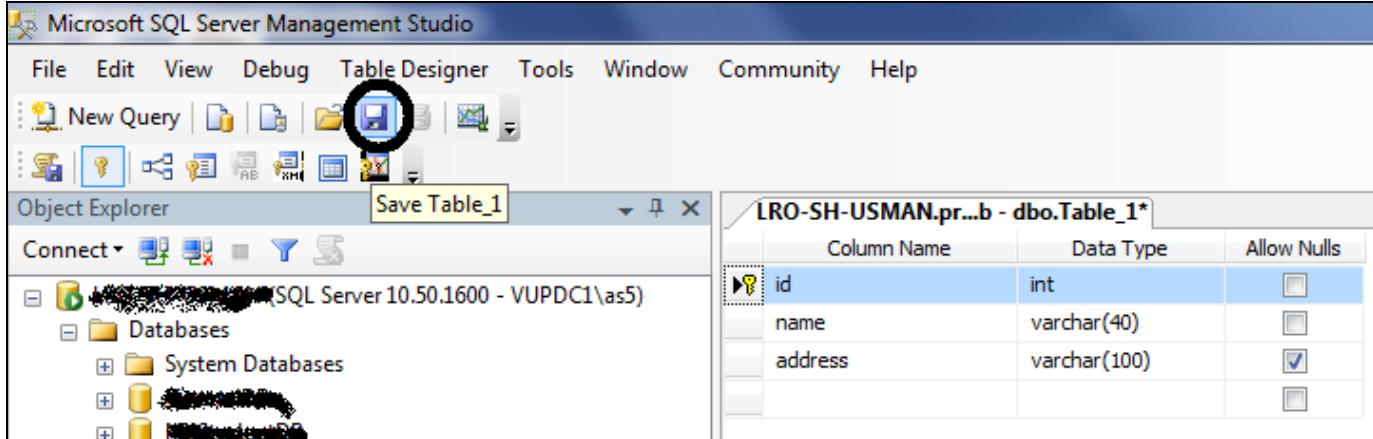
A screenshot of the 'Table Editor'. The main grid shows three columns: 'id' (int), 'name' (varchar(40)), and 'address' (varchar(100)). The 'address' column has the 'Allow Nulls' checkbox checked. Below the grid, the 'Column Properties' section is visible, showing the 'General' tab with the following details:

(Name)	id
Allow Nulls	No
Data Type	Int
Default Value or Binding	

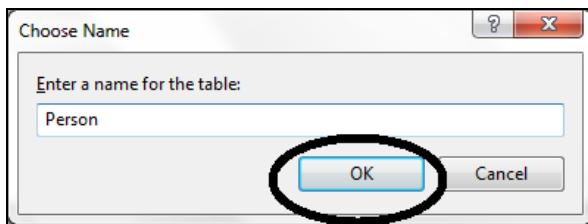
6) Set primary key by selecting the column and then clicking on key icon on toolbar

A screenshot of the SQL Server Management Studio interface. On the left, the 'Object Explorer' shows a database structure with 'projectdb' selected. On the right, the 'Table Editor' shows the same table definition as in step 5. The 'id' column is currently selected. The toolbar at the top has a key icon (primary key symbol) which is circled in red. The 'Table Editor' window title is 'LRO-SH-USMAN.pr...b - dbo.Table_1*'.

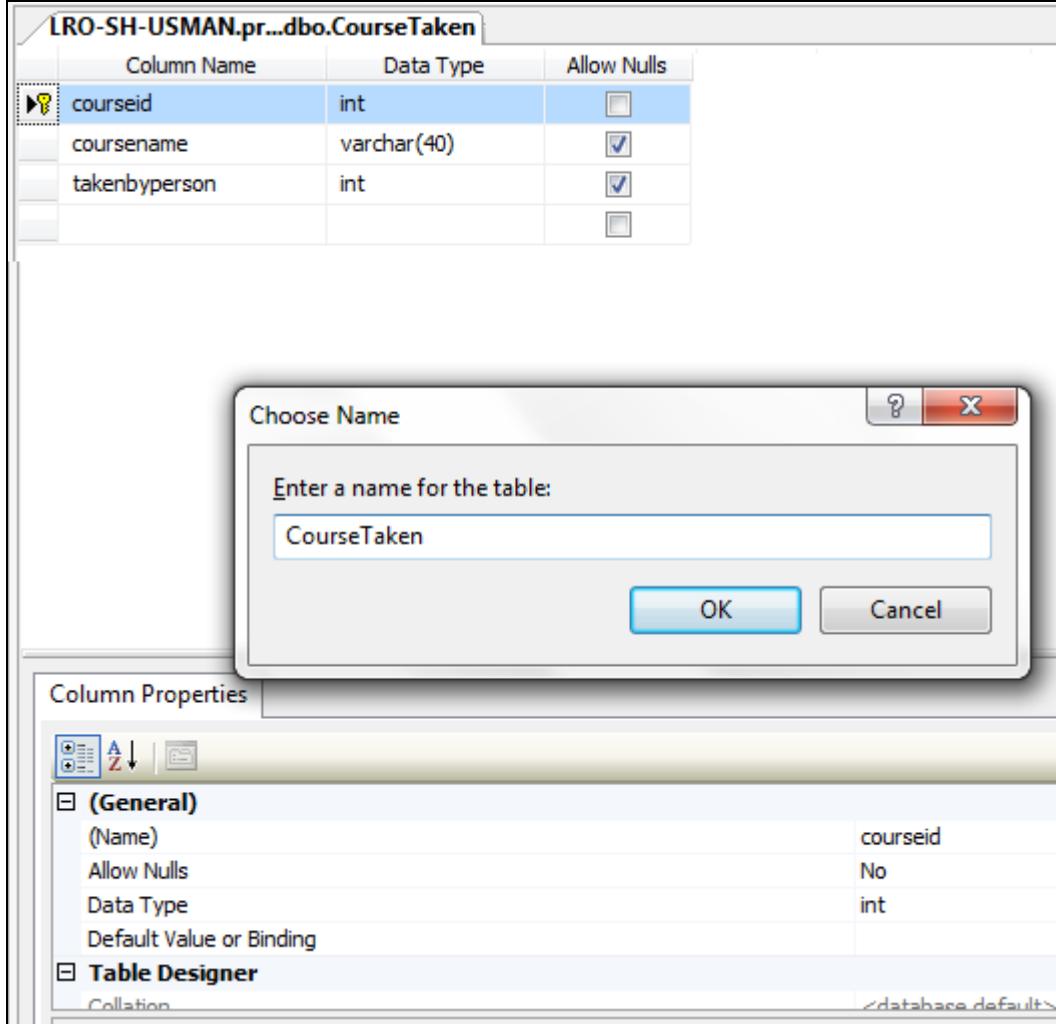
7) Save the table and set its name, then click OK button.



The screenshot shows the Microsoft SQL Server Management Studio interface. In the center is the 'Table Designer' window titled 'LRO-SH-USMAN.pr...b - dbo.Table_1*'. It displays a table structure with three columns: 'id' (int, not null), 'name' (varchar(40)), and 'address' (varchar(100), allowing nulls). At the top of the screen, the 'Table Designer' tab is selected. The toolbar contains several icons, with the 'OK' icon being highlighted with a black circle.

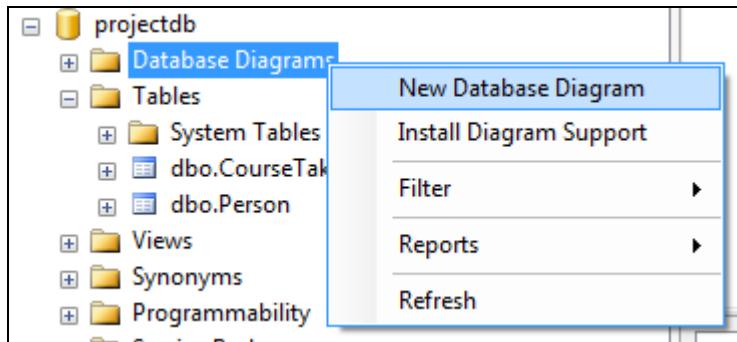


8) Follow the same process to add another table

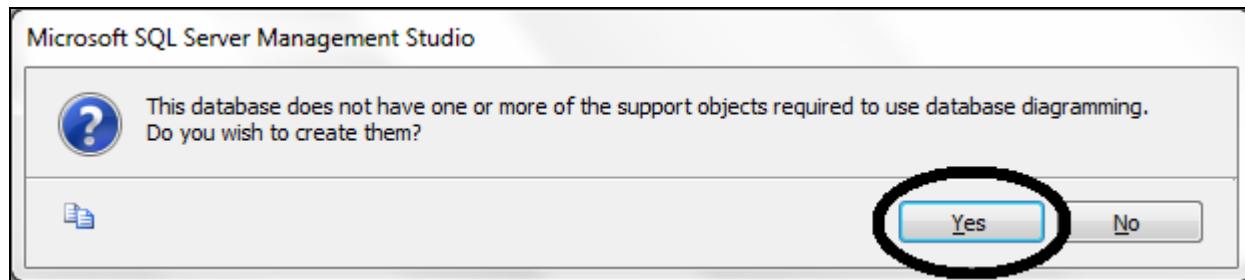


The screenshot shows the Microsoft SQL Server Management Studio interface again. This time, the 'Table Designer' window is for the 'CourseTaken' table, which has columns 'courseid' (int, not null), 'coursername' (varchar(40), allowing nulls), and 'takenbyperson' (int, allowing nulls). Below the table designer, a 'Choose Name' dialog box is open, asking 'Enter a name for the table:' with the text 'CourseTaken' entered. The 'OK' button in this dialog is circled. On the left side of the screen, there is a 'Column Properties' pane and a tree view under 'General' settings for the 'courseid' column.

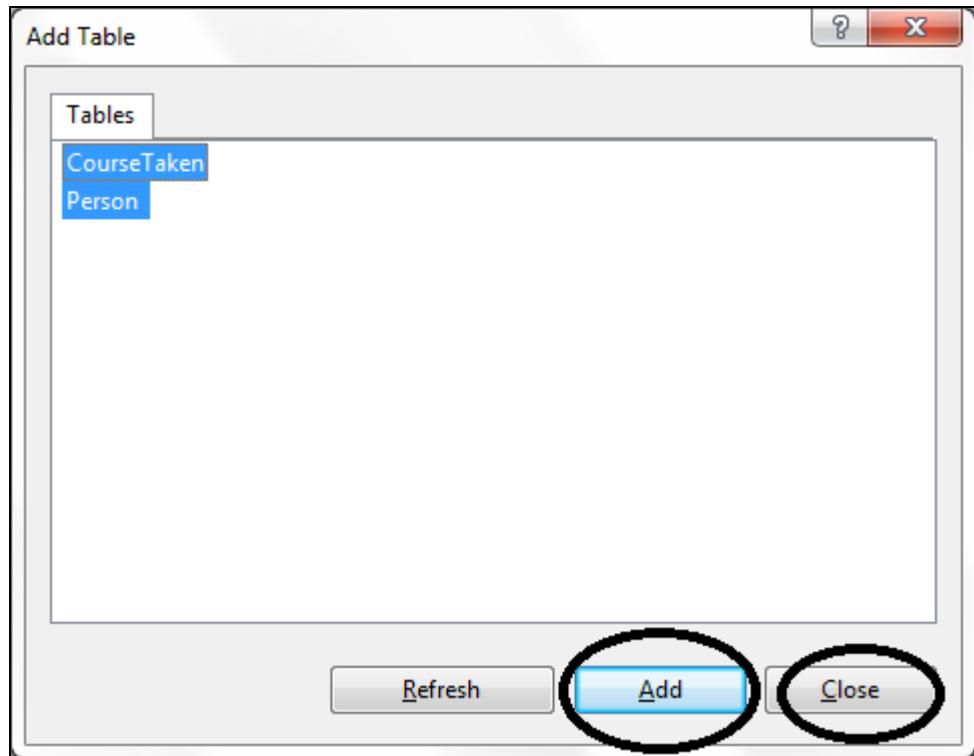
9) Create new database diagram



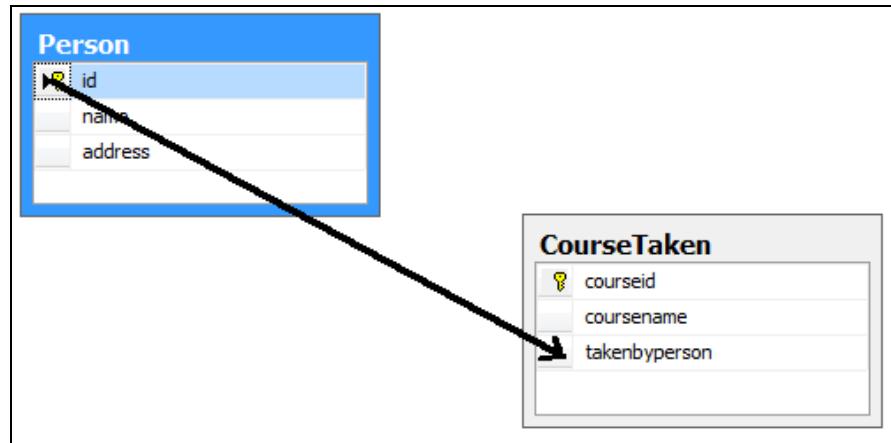
10) Click Yes



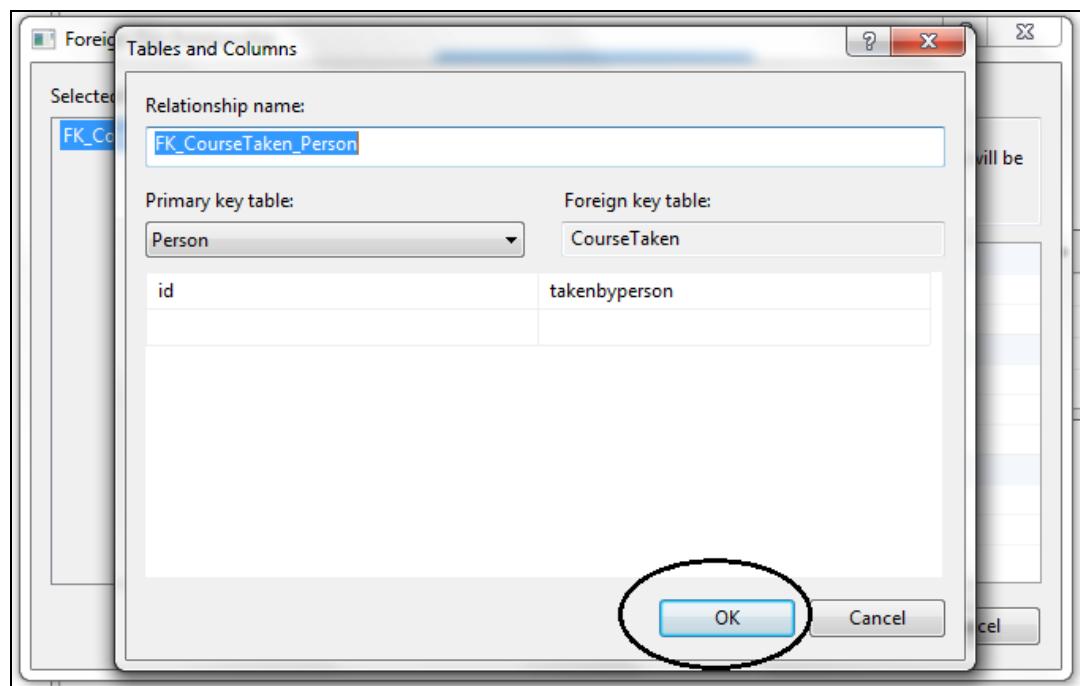
11) Select all the tables and click Add button, then click Close button



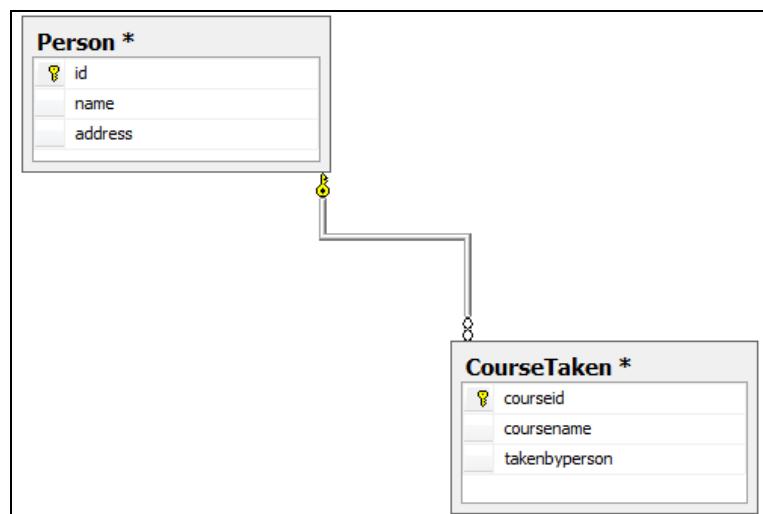
12) Drag the **id** column with left mouse button from Person table to **takenbyperson** column of CourseTaken table to create a foreign key relationship



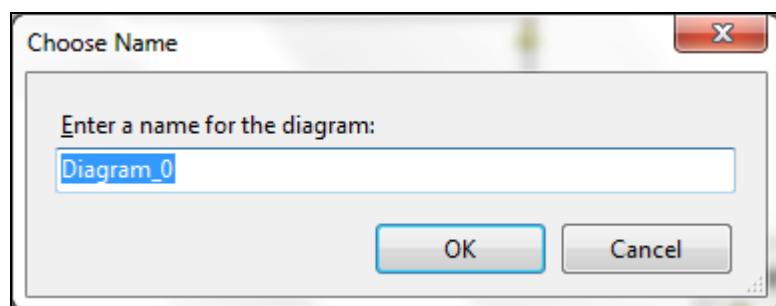
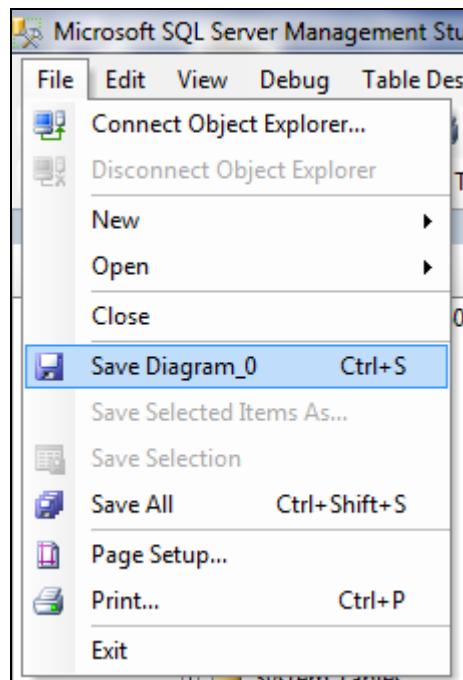
13) Click on OK button



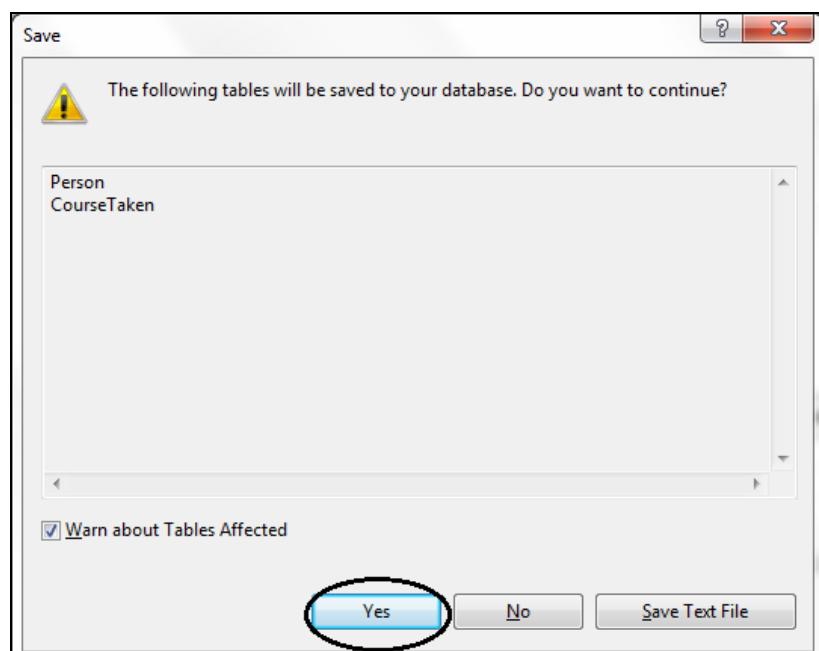
14) A relationship is created



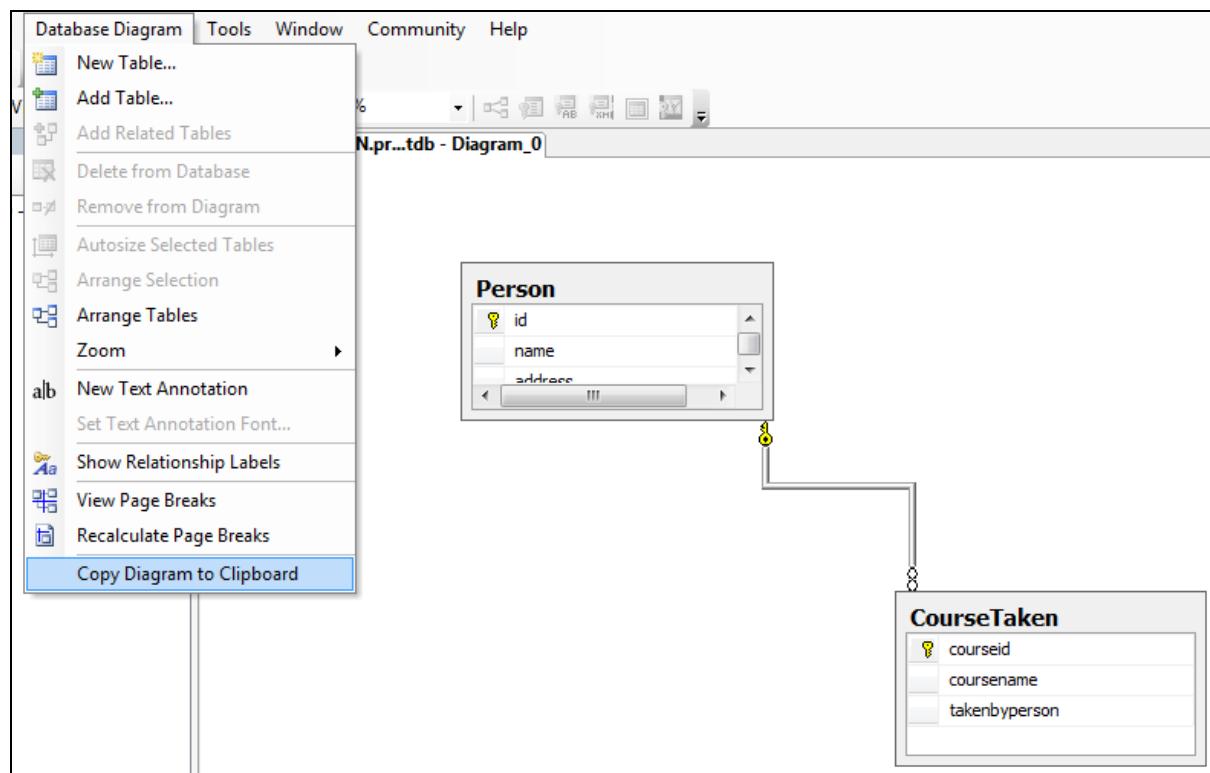
15) Use save diagram option from File menu and enter a name of the diagram



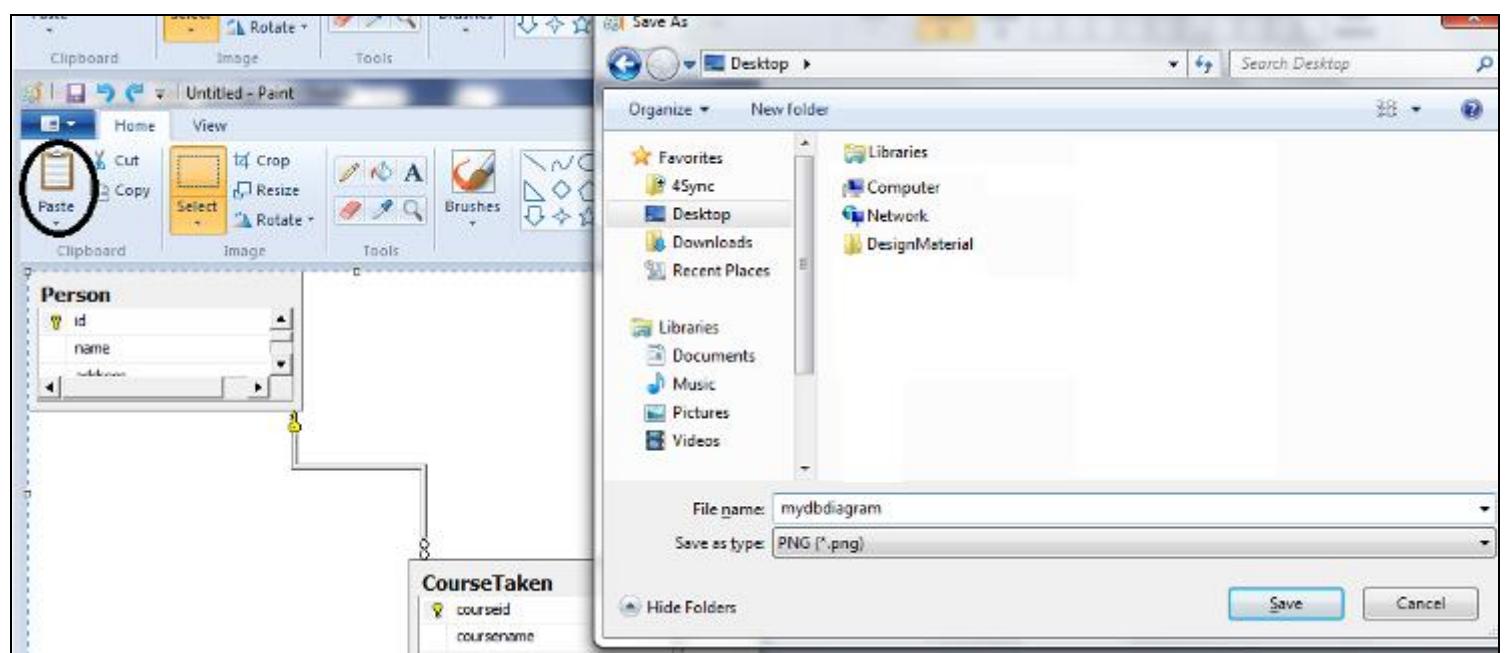
16) Click Yes



17) Use menu Database Diagram > Copy Diagram to Clipboard (if it is not disabled, then select all tables from the diagram with mouse or press Ctrl + A in the diagram to select all, then use the menu option)



18) Open paint brush, paste the diagram by pressing Ctrl + V or use Paste button from the tool bar, then save the diagram.



The diagram is saved so you can now use it in your MS Word document/deliverable.