

SQL Server Reporting Services (SSRS)
is a reporting tool used
to produce formatted Reports
Such as Graphs, Tables of Data, and Charts.

level of granularity meaning



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Tools

level of detail

Level of Granularity refers to **the extent or level of detail at which data is collected and analyzed**. It can influence the accuracy and efficiency of data analysis, machine learning, and artificial intelligence.



H2O.ai

<https://h2o.ai/wiki/level-of-granularity> :

What is Level of Granularity? - H2O.ai

Level of Granularity:-Level of detail at which data is collected and Analyzed.

تحوّل البيانات من شكل الى شكل اخر SSIS



...

.....

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تحويل البيانات هو عملية تحويل البيانات من تنسيق إلى آخر بحيث تكون متوافقة مع النظم أو التطبيق أو طريقة التخزين المستهدفة. غالباً ما يتم تطبيقه كجزء من مشروع أكبر، مثل ترحيل البيانات أو التكامل. تستلزم العملية استخراج البيانات من المصدر، مثل قاعدة بيانات أو ملف أو خدمة ويب، وتحويلها وتحميلها إلى نظام الوجهة المطلوب.



Astera Software

<https://www.astera.com> > type > blog > data-conversion :

ما هو تحويل البيانات: التقنيات والأدوات وأفضل الممارسات

A Data Scope is a subset of all the data in your environment defined by an Asset Scope query. Users assigned a specific Data Scope can only see the data from that Data Scope.

SSRS can make dashboard ? yes or no

Yes, SSRS (SQL Server Reporting Services) can create dashboards. It allows you to combine multiple reports, charts, and visual elements into a single dashboard. This can be done by using features such as report parts, subreports, and custom report items to create a comprehensive and interactive dashboard.

Multidimensional Expressions (MDX) is a query language for online analytical processing (OLAP) using a database management system. Much like SQL, it is a query language for OLAP cubes. It is also a calculation language.

The Four Types of Database Management Systems Are:

- 1>>Hierarchical DBMS.
- 2>>Network DBMS.
- 3>>Relational DBMS.
- 4>>Object-oriented DBMS.



Ahmed Abdel Moneim

1 August at 21:55 ·

Database Consistency and Integrity.

اتساق قاعدة البيانات وسلامتها.

Insert Update Delete in SQL effect in one row.

Normalization For Database Consistency and Integrity.

Normalization benefits.

Better database organization.

Reduces redundancy.

More consistent data.

Improves security.

Reduces cost.

Data becomes easier to work with.

Denormalization can improve Performance by: Minimizing the need for Joins.



Ahmed Abdel Moneim

Transact-SQL (T-SQL) is Microsoft's and Sybase's proprietary extension to the **SQL** (Structured Query Language) used to interact with **relational databases**. T-SQL expands on the SQL standard to include **procedural programming**, **local variables**, various support functions for string processing, date processing, mathematics, etc. and changes to the **DELETE** and **UPDATE** statements.

Transact-SQL is central to using **Microsoft SQL Server**. All applications that communicate with an instance of SQL Server do so by sending Transact-SQL statements to the server, regardless of the user interface of the application.

Stored procedures in SQL Server are executable server-side routines. The advantage of stored procedures is the ability to pass parameters.

Variables [edit]

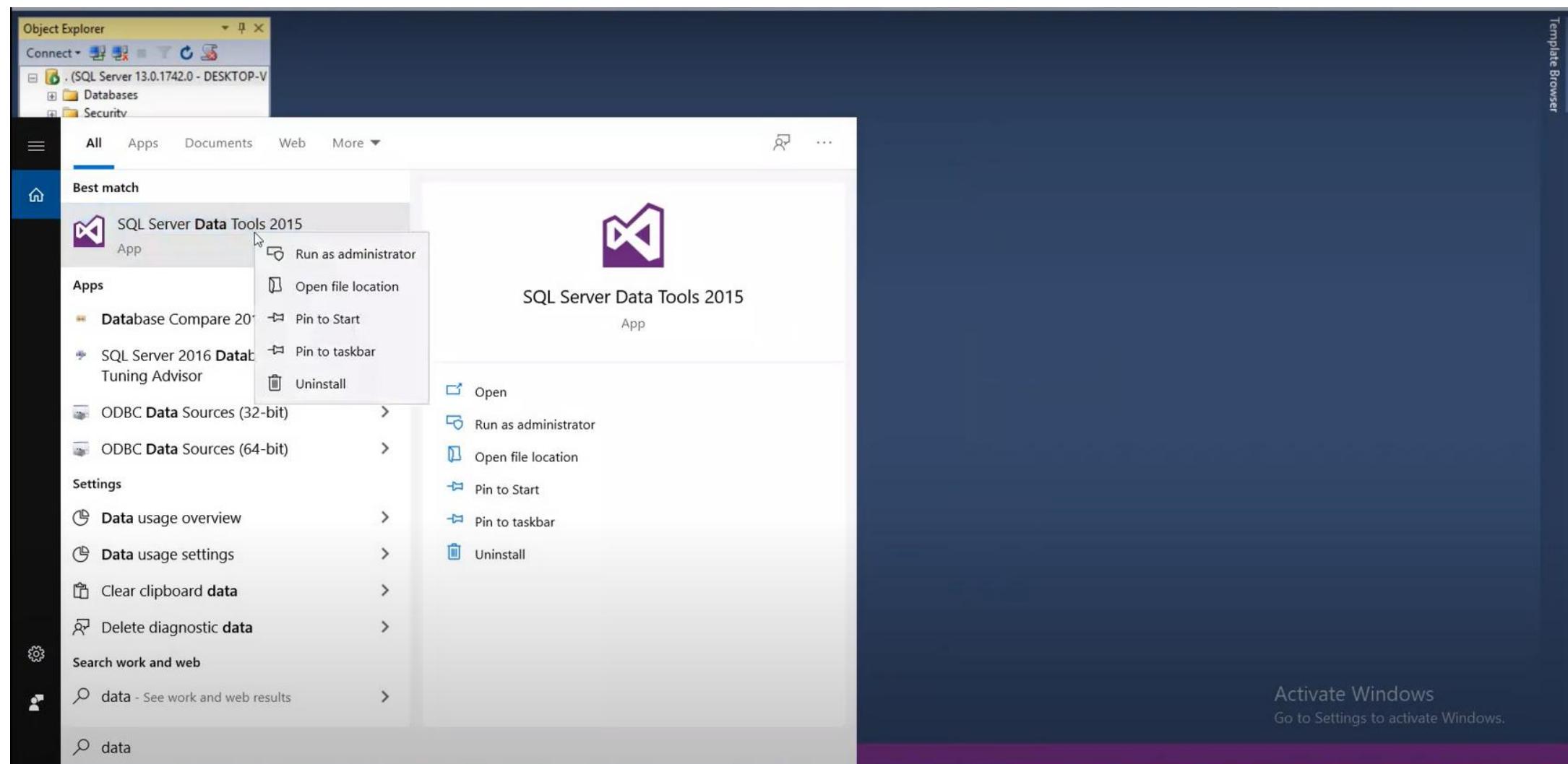
Transact-SQL provides the following statements to declare and set local variables: **DECLARE** , **SET** and **SELECT** .

```
DECLARE @var1 NVARCHAR(30);
SET @var1 = 'Some Name';
SELECT @var1 = Name
    FROM Sales.Store
 WHERE CustomerID = 100;
```

Flow control [edit]

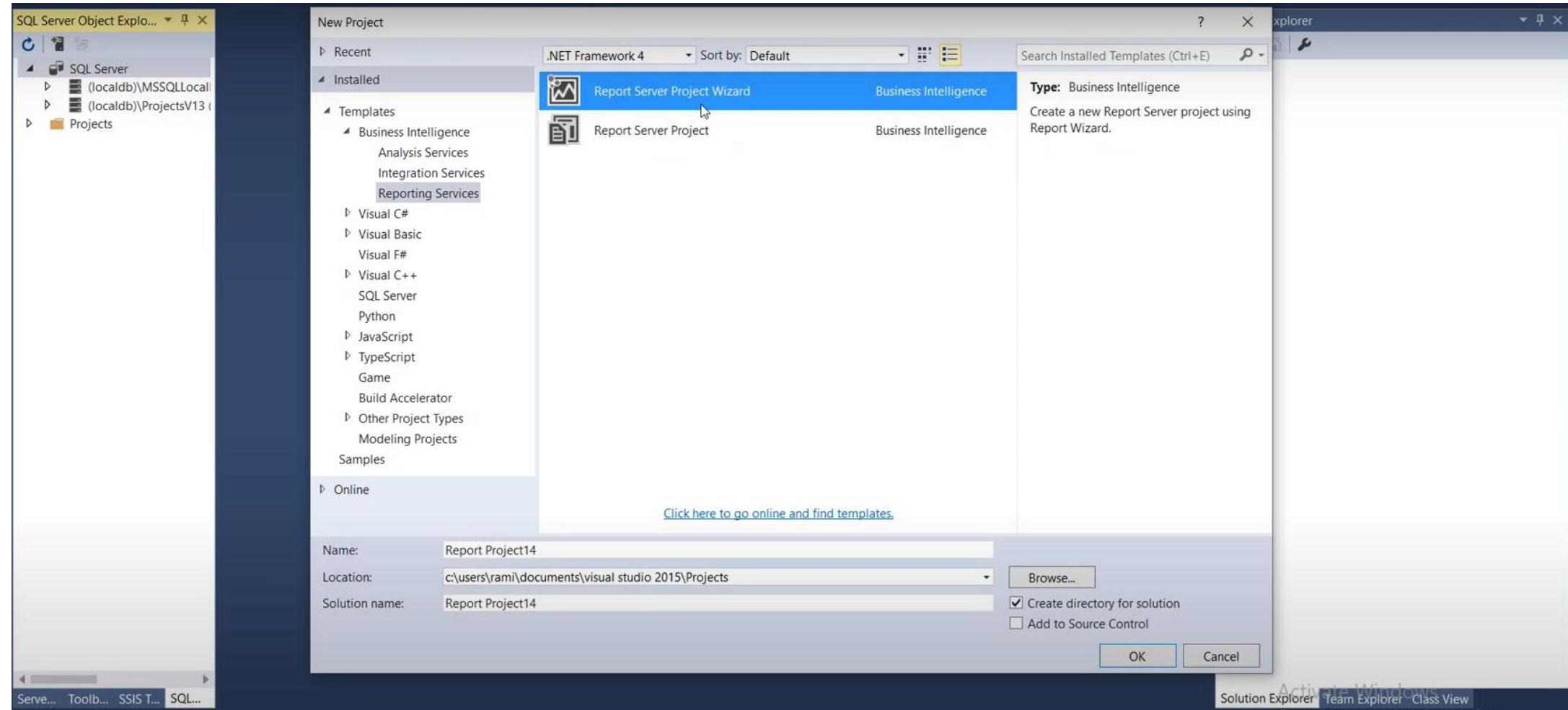
Keywords for flow control in Transact-SQL include **BEGIN** and **END** , **BREAK** , **CONTINUE** , **GOTO** , **IF** and **ELSE** , **RETURN** , **WAITFOR** , and **WHILE** .

IF and **ELSE** allow conditional execution. This batch statement will print "It is the weekend" if the current date is a weekend day, or "It is a weekday" if the current date is a weekday. (Note: This code assumes that Sunday is configured as the first day of the week in the **@@DATEFIRST** setting.)



Services (Local)					
Services (Local)					
SQL Server Reporting Services (MSSQLSERVER)					
Stop the service	Name	Description	Status	Startup Type	Log On As
Restart the service	Smart Card Removal Policy	Allows the s...	Running	Manual	Local System
	SNMP Service	Enables Sim...	Running	Automatic	Local System
	SNMP Trap	Receives tra...	Running	Manual	Local Service
	Software Protection	Enables the ...	Running	Automatic (De...	Network Se...
	Spatial Data Service	This service i...	Running	Manual	Local Service
	Spot Verifier	Verifies pote...	Running	Manual (Trigg...	Local System
	SQL Server (ALEX)	Provides sto...	Running	Automatic	\Rami
	SQL Server (CAIRO)	Provides sto...	Running	Automatic	\Rami
	SQL Server (ISMAILIA)	Provides sto...	Running	Automatic	\Rami
	SQL Server (MANSOURA)	Provides sto...	Running	Automatic	\Rami
	SQL Server (MSSQLSERVER)	Provides sto...	Running	Automatic	\Rami
	SQL Server Agent (ALEX)	Executes job...	Running	Automatic	\Rami
	SQL Server Agent (CAIRO)	Executes job...	Running	Automatic	\Rami
	SQL Server Agent (ISMAILIA)	Executes job...	Running	Automatic	\Rami
	SQL Server Agent (MANSOURA)	Executes job...	Running	Automatic	\Rami
	SQL Server Agent (MSSQLSERVER)	Executes job...	Running	Automatic	\Rami
	SQL Server Analysis Services (MSSQLSERVER)	Supplies onl...	Running	Automatic	\Rami
	SQL Server Analysis Services CEIP (MSSQLSERVER)	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server Browser	Provides SQ...	Running	Automatic	Local Service
	SQL Server CEIP service (ALEX)	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server CEIP service (CAIRO)	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server CEIP service (ISMAILIA)	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server CEIP service (MANSOURA)	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server CEIP service (MSSQLSERVER)	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server Integration Services 13.0	Provides ma...	Running	Automatic	NT Service\...
	SQL Server Integration Services CEIP service 13.0	CEIP service ...	Running	Automatic	NT Service\...
	SQL Server Reporting Services (MSSQLSERVER)	Manages, ex...	Running	Automatic	\Rami
	SQL Server VSS Writer	Provides the...	Running	Automatic	Local System
	SSDP Discovery	Discovers ne...	Running	Manual	Local Service
	State Repository Service	Provides req...	Running	Manual	Local System
	Still Image Acquisition Events	Launches ap...	Running	Manual	Local System
	Storage Service	Provides ena...	Running	Manual (Trigg...	Local System
	Storage Tiers Management	Optimizes th...	Running	Manual	Local System
	Sync Host_2325dd07	This service ...	Running	Automatic (De...	Local System
	Cloud Sync	Provides onl...	Running	Automatic	Local System

Activate Windows
Go to Settings to activate Windows



SQL Server Object Explor... X

SQL Server

- (localdb)\MSSQLLocalDB
- (localdb)\ProjectsV13

Projects - MansouraReport

Report Wizard

Select the Data Source

Select a data source from which to obtain data for this report or create a new data source.

Shared data source

New data source

Name:

Type:

Connection string:

Make this a shared data source

Edit...
Credentials...

Help < Back Next >| Finish >> Cancel

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- Shared Datasets
- Reports

Serve... Toolb... SSIS T... SQL... Output Data Tools Operations

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

The screenshot shows the 'Report Wizard' dialog box in the center of the screen. The title bar says 'Report Wizard' and the main heading is 'Select the Data Source'. It instructs the user to 'Select a data source from which to obtain data for this report or create a new data source.' There are two radio button options: 'Shared data source' and 'New data source'. The 'New data source' option is selected, indicated by a black dot. Below it, there are fields for 'Name' (containing 'DataSource1') and 'Type' (containing 'Microsoft SQL Server'). To the right of these fields are two buttons: 'Edit...' and 'Credentials...'. Below the 'Name' field is a large text area labeled 'Connection string'. At the bottom of the dialog are buttons for 'Help', '< Back' (disabled), 'Next >', 'Finish >>', and 'Cancel'. On the far left, the 'SQL Server Object Explorer' shows a tree view of databases and projects. On the right, the 'Solution Explorer' shows a project named 'MansouraReports' with three items: 'Shared Data Sources', 'Shared Datasets', and 'Reports'. The status bar at the bottom has links for 'Serve...', 'Toolb...', 'SSIS T...', 'SQL...', 'Output', 'Data Tools Operations', 'Activate Windows', 'Solution Explorer', 'Team Explorer', 'Class View', 'Tabular Model...', and 'Go to Settings to activate Windows.'

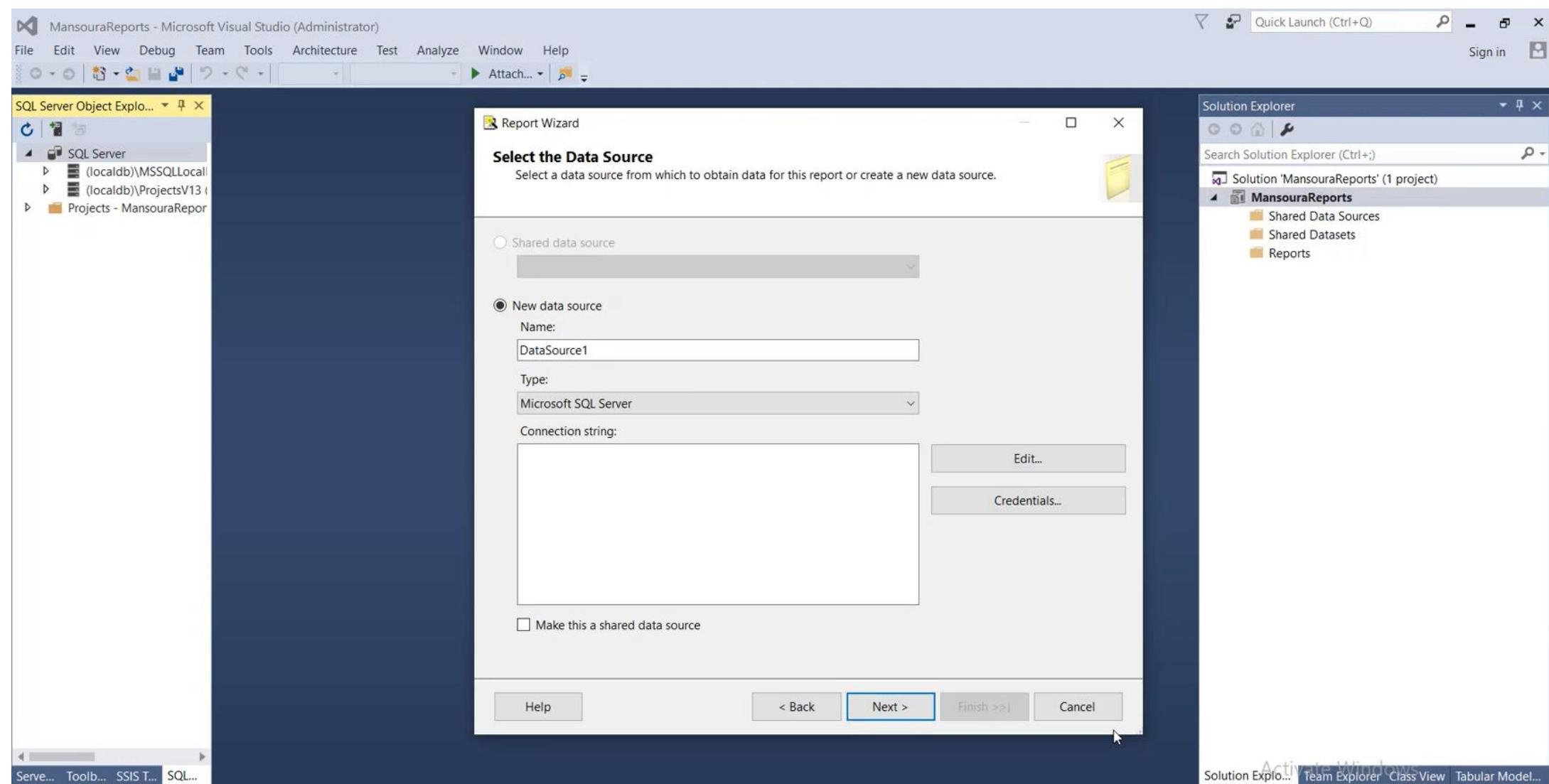
Any Report.

1>> Datasource.

2>> Data set.

3>> Design.





Business Intelligence Lifecycle

Reporting

Data Gathering /ETL

Data Analysis

Choosing the
BI-tools

SQL Server Object Explor... ▾ X

SQL Server

- ▶ (localdb)\MSSQLLocalDB
- ▶ (localdb)\ProjectsV13
- ▶ Projects - MansouraReport

Report Wizard

Select the Data Source

Select a data source from which to obtain data for this report or create a new data source.

Shared data source

New data source

Name: DS1

Type:

- Microsoft SQL Server
- Microsoft Azure SQL Database
- Microsoft Analytics Platform System
- Microsoft SQL Server Analysis Services
- Microsoft SharePoint List
- Oracle Database
- Oracle Essbase
- SAP BW
- TERADATA
- OLE DB
- ODBC
- XML
- Report Server Model

Help < Back Next >| Finish >> Cancel

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- Shared Datasets
- Reports

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

Serve... Toolb... SSIS T... SQL...
Output Data Tools Operations

The screenshot shows the 'Report Wizard' dialog box titled 'Select the Data Source'. The 'New data source' radio button is selected. The 'Name:' field contains 'DS1'. The 'Type:' dropdown menu is open, showing various data source types: Microsoft SQL Server, Microsoft Azure SQL Database, Microsoft Analytics Platform System, Microsoft SQL Server Analysis Services, Microsoft SharePoint List, Oracle Database, Oracle Essbase, SAP BW, TERADATA, OLE DB, ODBC, XML, and Report Server Model. The 'XML' option is currently selected. To the right of the dropdown are two buttons: 'Edit...' and 'Credentials...'. At the bottom of the dialog are buttons for 'Help', '< Back' (disabled), 'Next >', 'Finish >>', and 'Cancel'.

SQL Server Object Explor... X

SQL Server

- (localdb)\MSSQLLocalDB
- (localdb)\ProjectsV13

Projects - MansouraReport

Report Wizard

Select the Data Source

Select a data source from which to obtain data for this report or create a new data source.

Shared data source

New data source

Name: DS1

Type: Microsoft SQL Server

Connection string:

Make this a shared data source

Help < Back Next >| Finish >> Cancel

Solution Explorer

Search Solution Explorer (Ctrl+;) X

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- Shared Datasets
- Reports

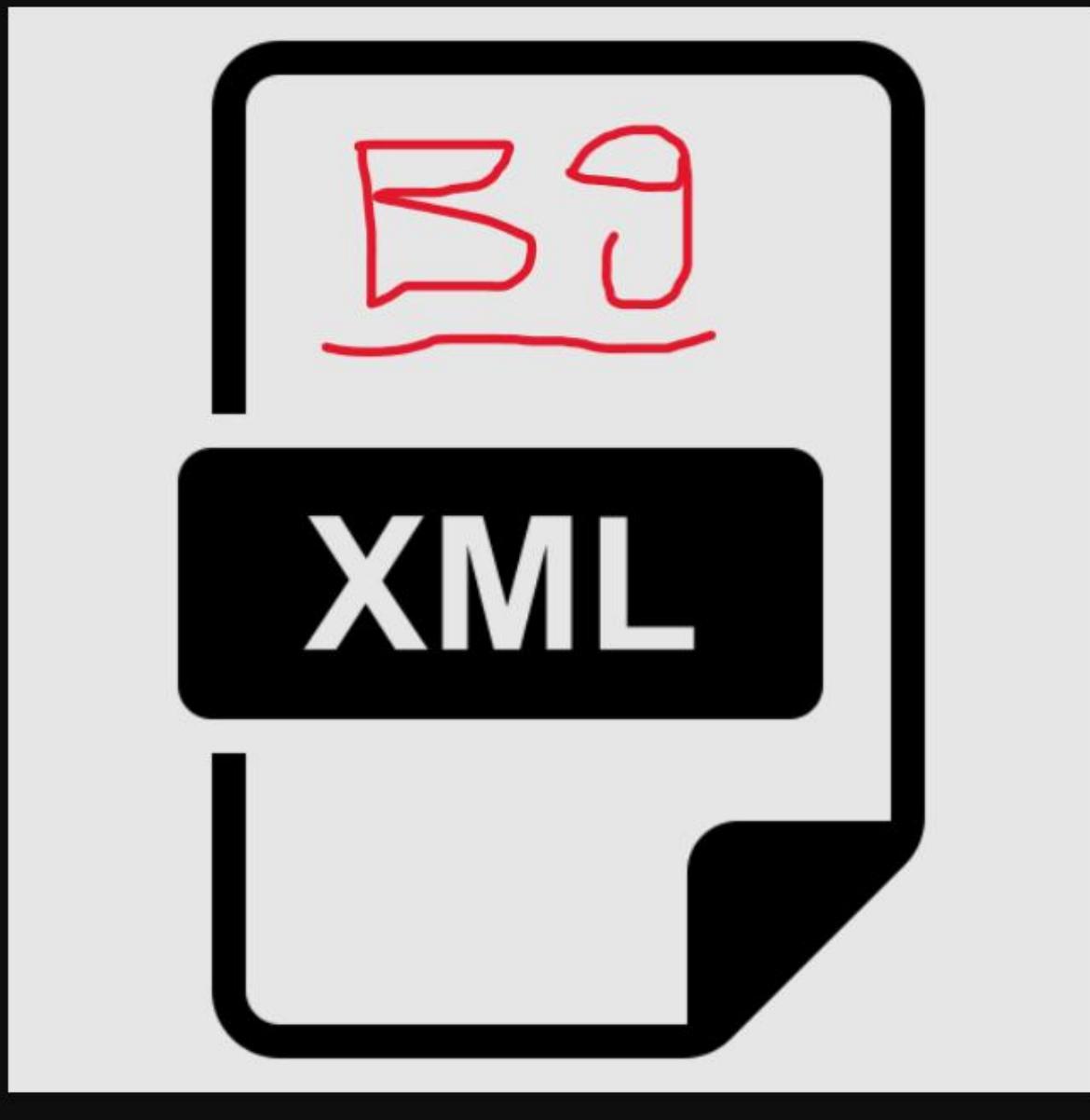
Serve... Toolb... SSIS T... SQL... X

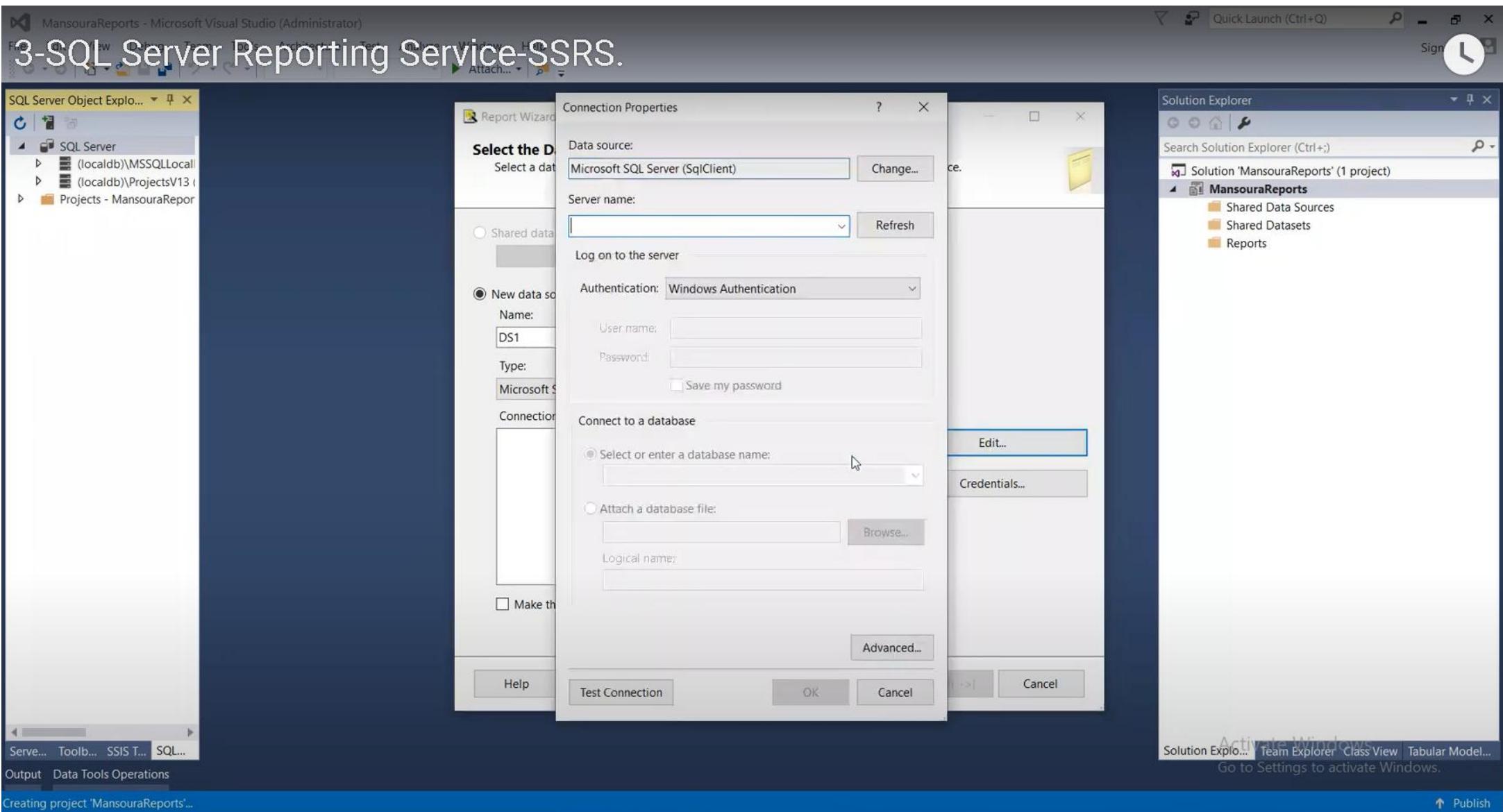
Output Data Tools Operations

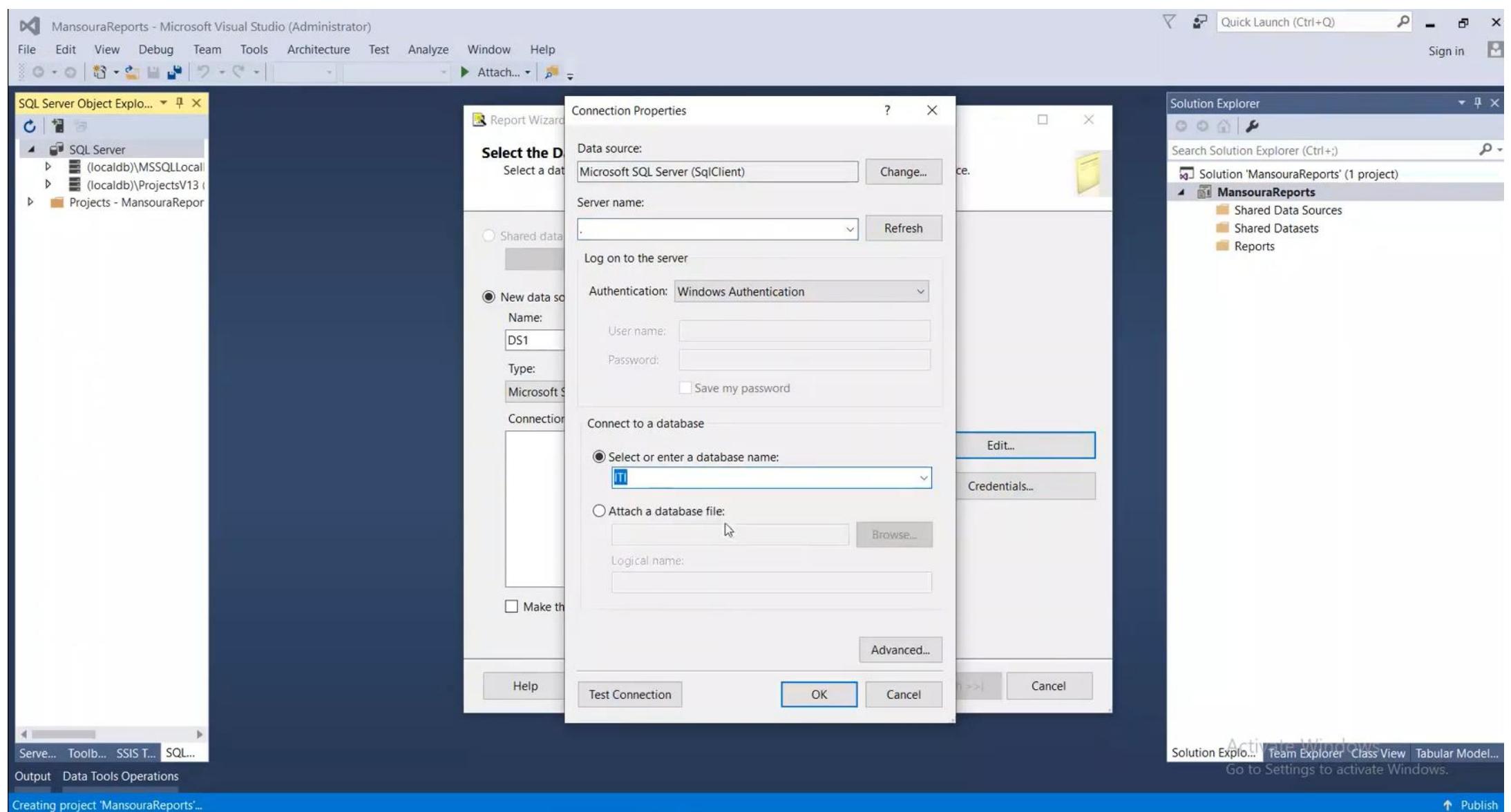
Activate Windows Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

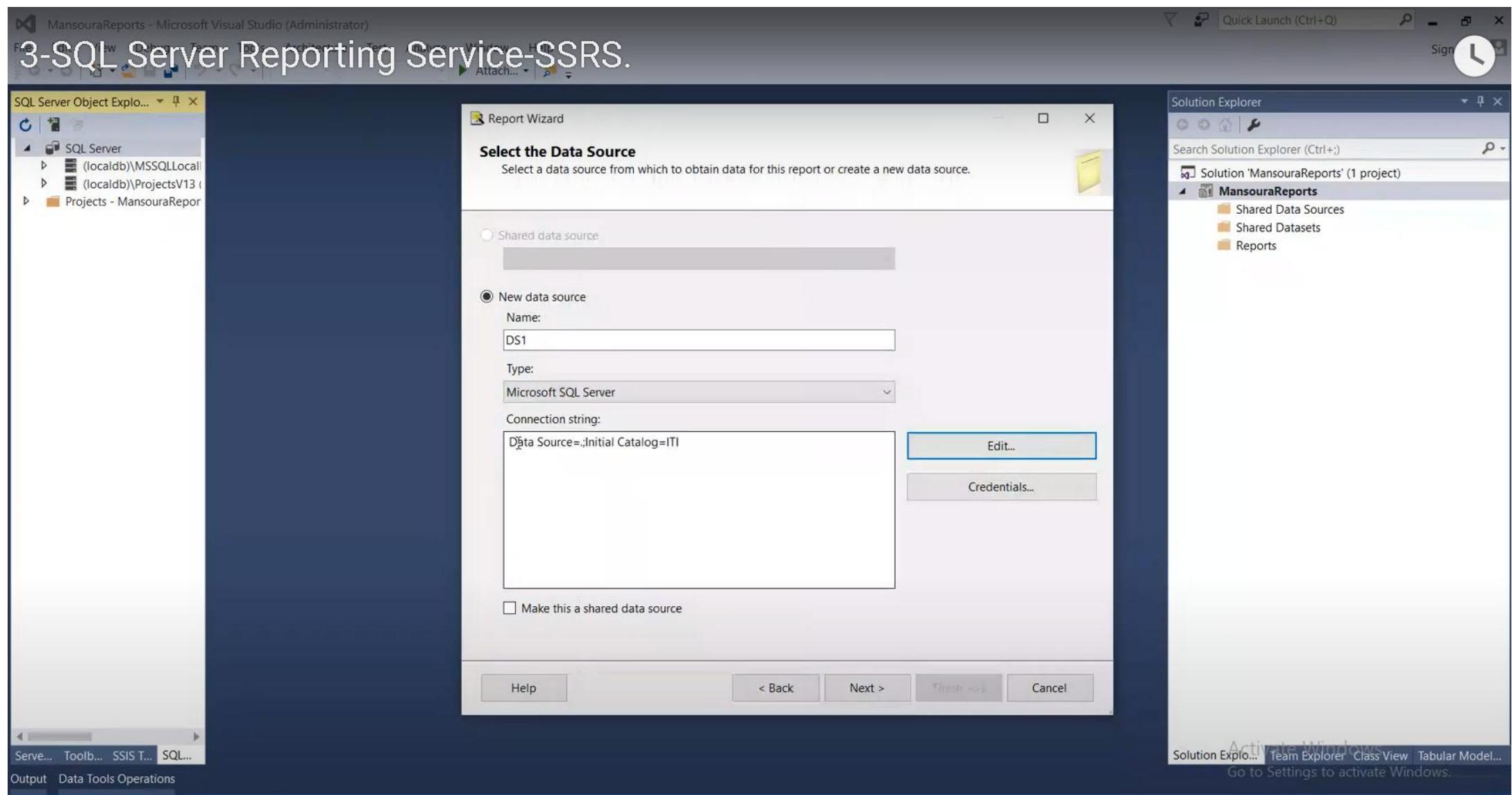
The screenshot shows the 'Report Wizard' dialog box in Visual Studio. The 'Select the Data Source' step is displayed. The 'New data source' radio button is selected. The 'Name' field contains 'DS1'. The 'Type' dropdown is set to 'Microsoft SQL Server'. Below these fields is a large text area for the 'Connection string'. To the right of this area are two buttons: 'Edit...' and 'Credentials...'. At the bottom left of the dialog is a checkbox labeled 'Make this a shared data source'. At the bottom right are navigation buttons: 'Help', '< Back', 'Next >', 'Finish >>', and 'Cancel'. The 'Next >' button is highlighted with a blue border. The background shows the Visual Studio interface with the Solution Explorer and SQL Server Object Explorer visible.

All BT i XML files









MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Debug Team Tools Architecture Test Analyze Window Help

SQL Server Object Explor... Attach... Solution Explorer

Report Wizard

Select the Data Source

Select a data source from which to obtain data for this report or create a new data source.

Shared data source

New data source

Name: DS1

Type: Microsoft SQL Server

Connection string: Data Source=.;Initial Catalog=ITI

Make this a shared data source

Help < Back Next > Finish >> Cancel

Solution Explorer

Search Solution Explorer (Ctrl+;) Solution 'MansouraReports' (1 project) MansouraReports Shared Data Sources Shared Datasets Reports

Activate Windows Go to Settings to activate Windows.

Serve... Toolb... SSIS T... SQL... Output Data Tools Operations

A shared data source is a set of data source connection properties that can be referenced by multiple reports, models, and data-driven subscriptions that run on a Reporting Services report server.

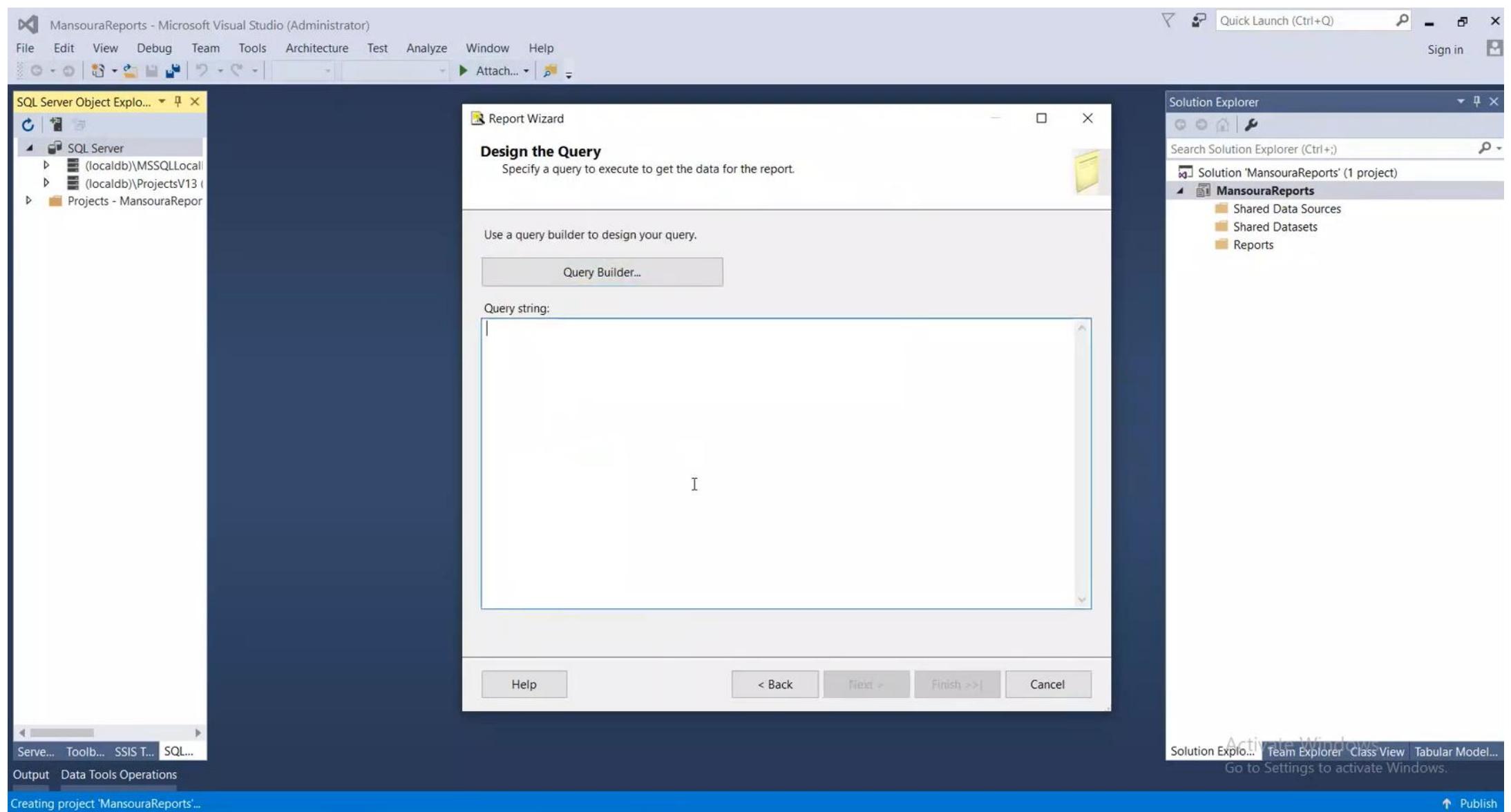
Mar 21, 2023

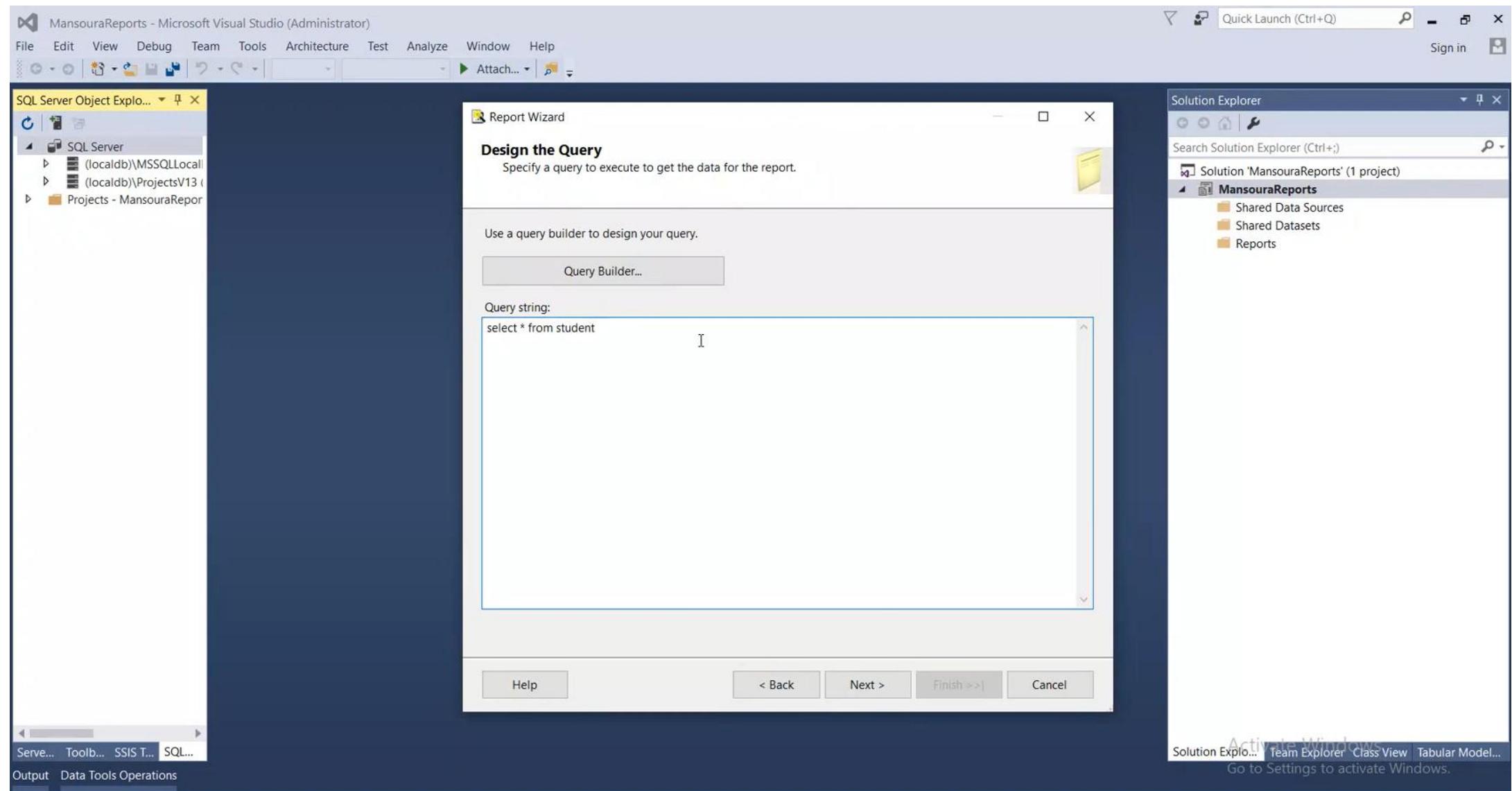


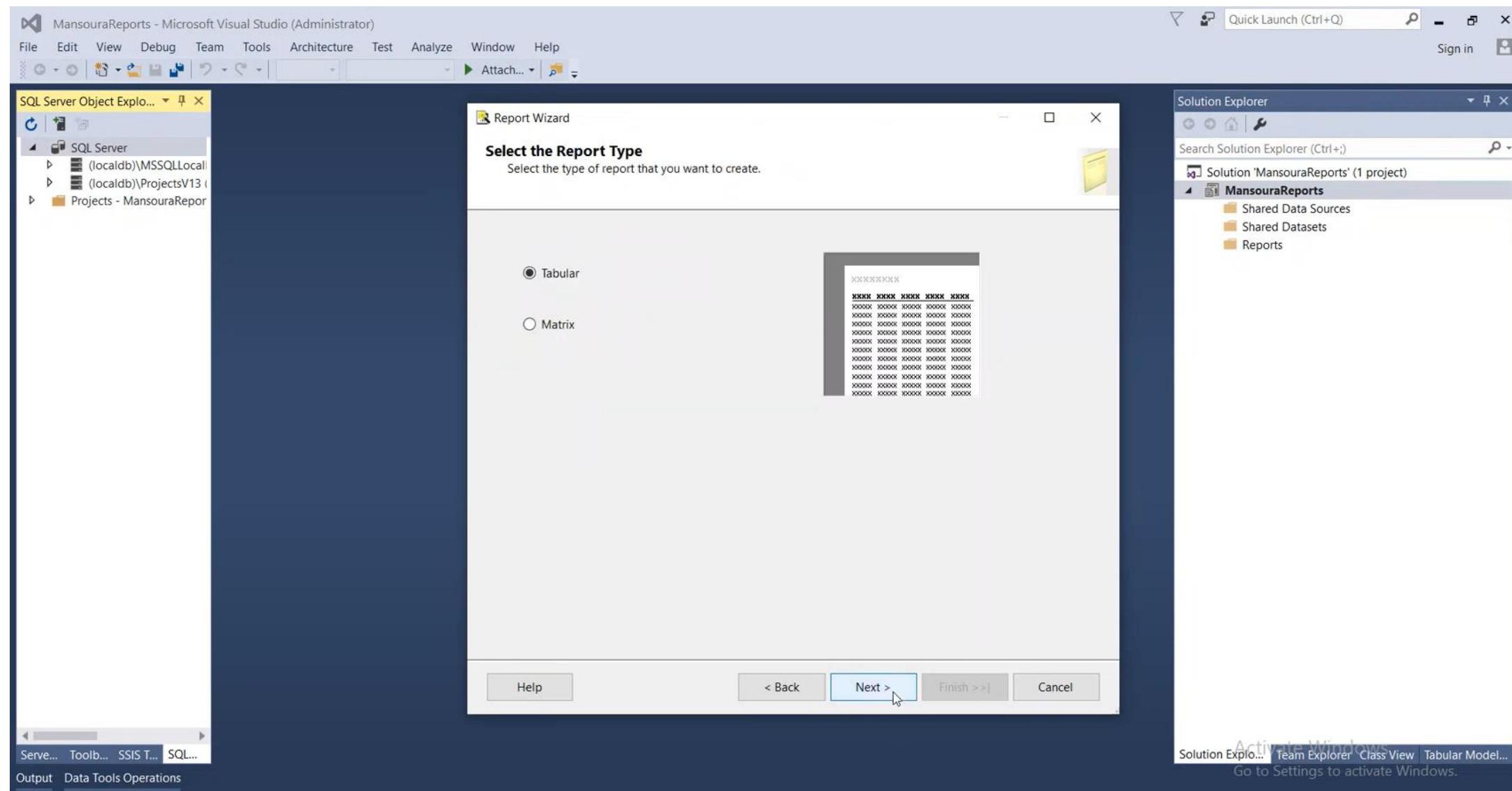
Learn Microsoft

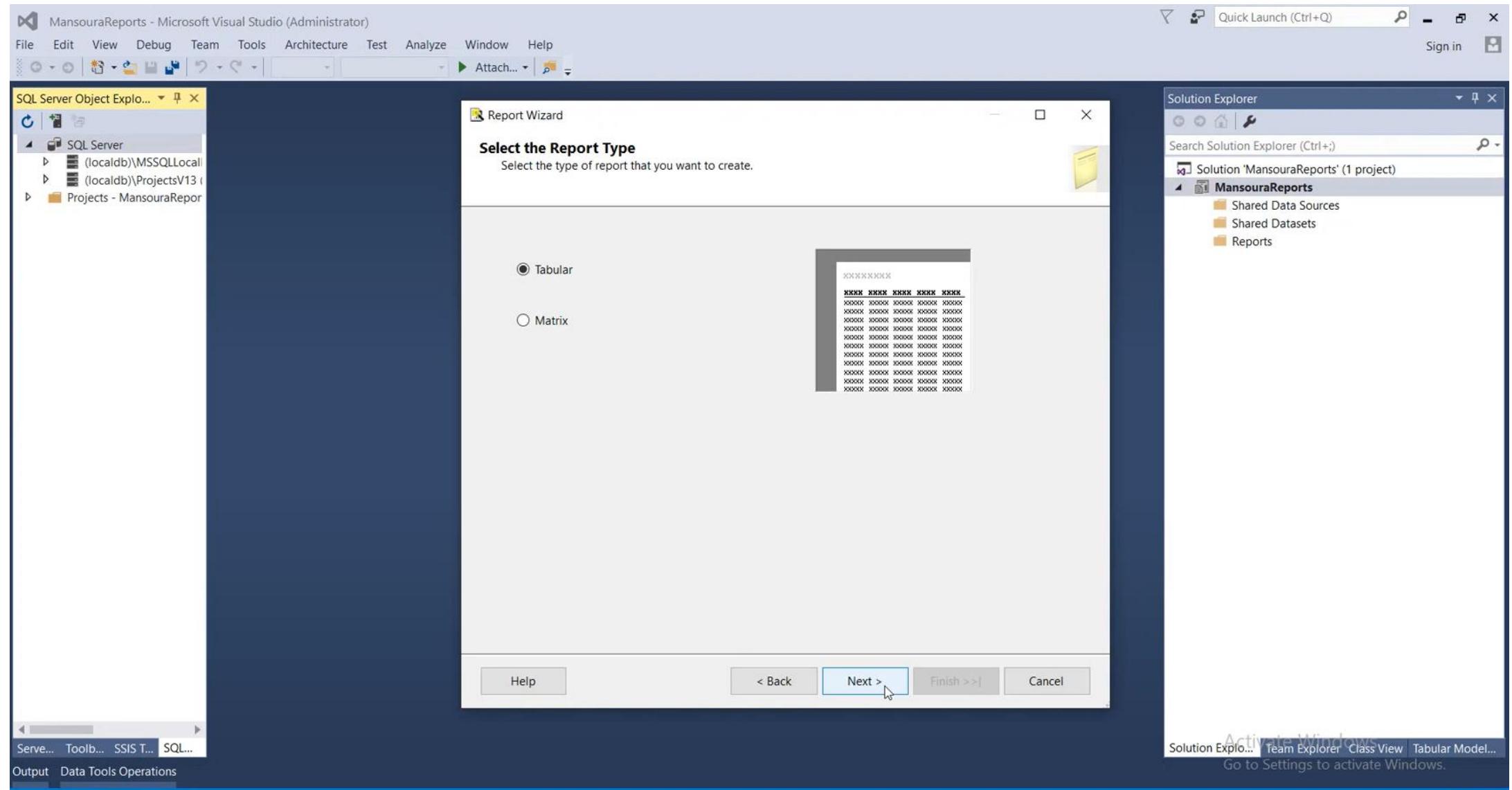
<https://learn.microsoft.com/en-us/sql/report-data/create-modify-and-delete-shared-data-sources-ssrs> :

Create, Modify, and Delete Shared Data Sources (SSRS)

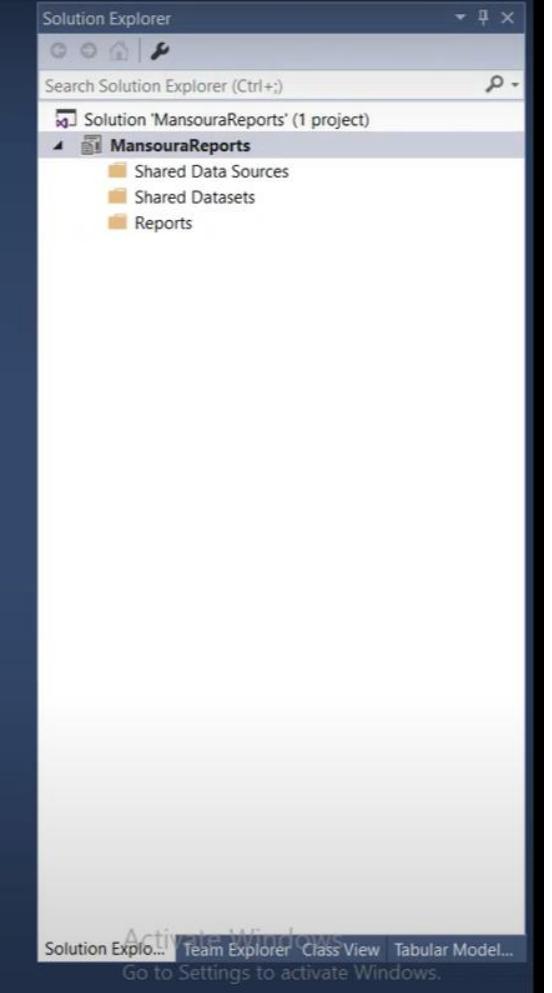
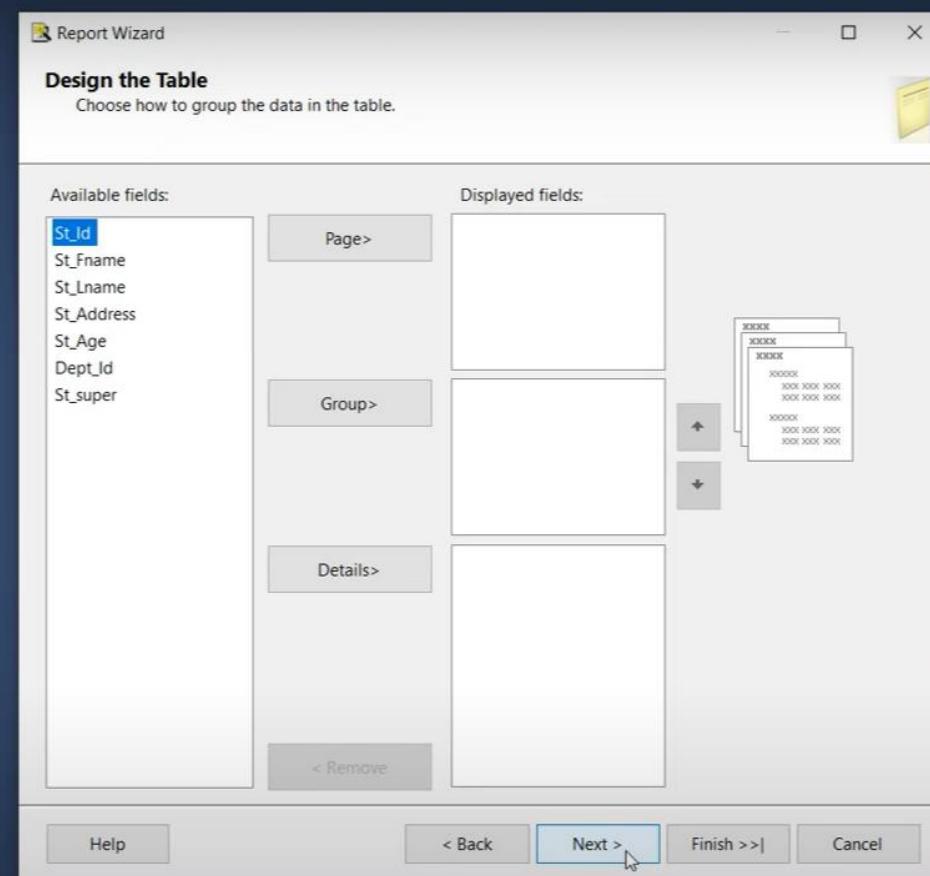








3-SQL Server Reporting Service-SSRS.



3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

SQL Server Object Explor... ×

Report Wizard

Design the Table

Choose how to group the data in the table.

Available fields:

Displayed fields:

Page>

Group>

Details

< Remove

St_Id
St_Fname
St_Lname
St_Address
St_Age
Dept_Id
St_super

Help < Back Next >> Cancel

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

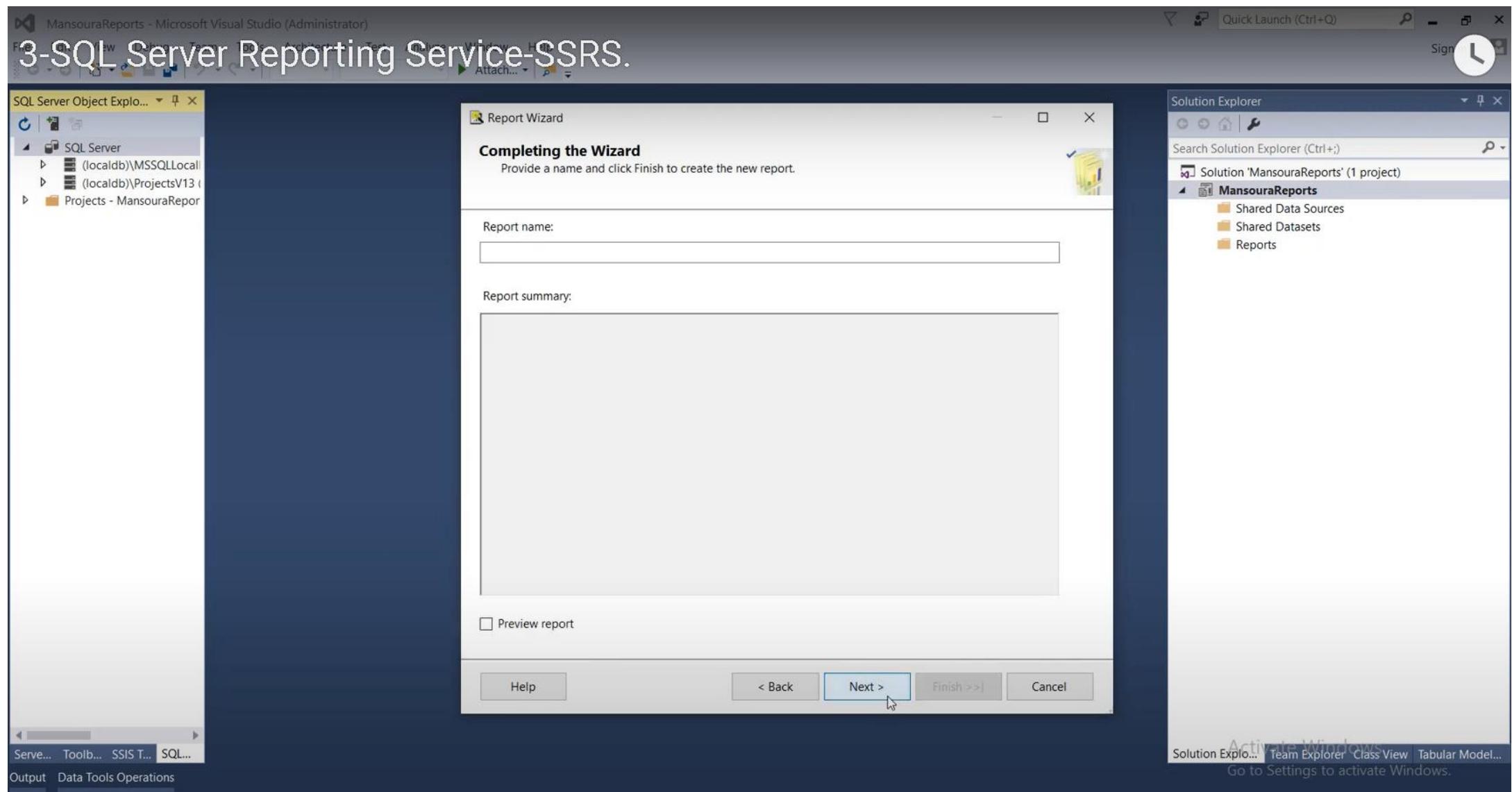
Shared Data Sources
Shared Datasets
Reports

Activate Windows

Serve... Toolb... SSIS T... SQL... Output Data Tools Operations

Solution Explor... Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

The screenshot displays the 'Report Wizard' interface within Microsoft Visual Studio. The current step is 'Design the Table', which allows users to choose how to group the data in the table. The 'Available fields' pane on the left lists various student-related fields: St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id, and St_super. The 'Displayed fields' pane on the right shows a hierarchical grouping structure. A yellow box highlights a specific item in the tree, indicating it is selected or being configured. Navigation buttons at the bottom include 'Help', '< Back', 'Next >>', and 'Cancel'. The 'Next >>' button is currently active. On the left, the 'SQL Server Object Explorer' shows the database structure. On the right, the 'Solution Explorer' pane shows the project 'MansouraReports' with its components: Shared Data Sources, Shared Datasets, and Reports. A watermark for 'Activate Windows' is visible at the bottom right of the screen.



3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

SQL Server Object Explor... Quick Launch (Ctrl+Q) Sign In

Report Wizard

Completing the Wizard

Provide a name and click Finish to create the new report.

Report name: StudsReports

Report summary:

Data source: ITI_DS1

Connection string: Data Source=.;Initial Catalog=ITI

Report type: Table

Layout type: Stepped

Style: Modern

Details: St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id, St_super

Query: select * from student

Preview report

Help < Back Next > Finish Cancel

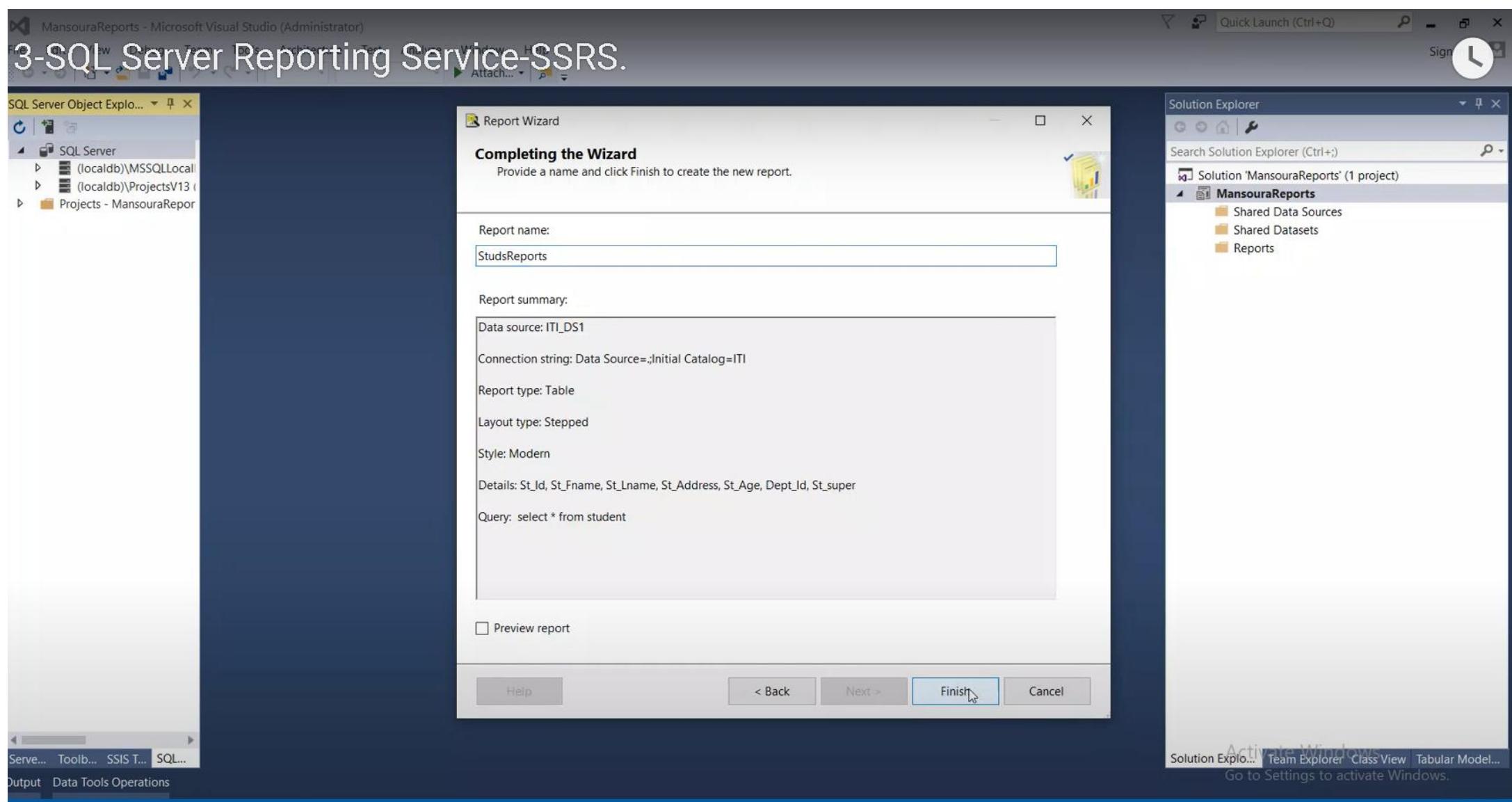
Solution Explorer

Search Solution Explorer (Ctrl+;) Solution 'MansouraReports' (1 project) MansouraReports Shared Data Sources Shared Datasets Reports

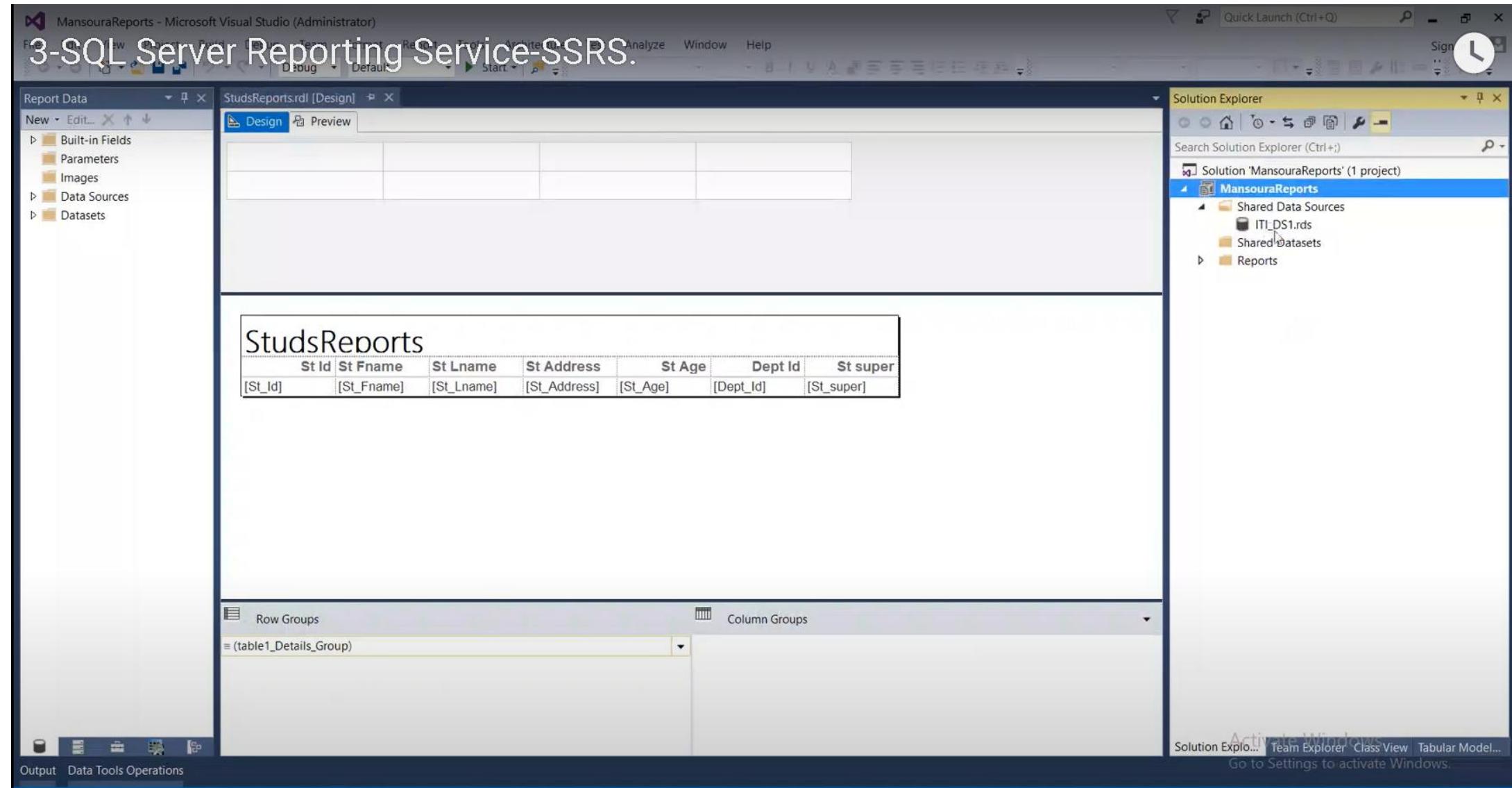
Serve... Toolb... SSIS T... SQL... Output Data Tools Operations

Activate Windows Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

This screenshot shows the Microsoft Visual Studio interface for creating a new report in the SQL Server Reporting Services (SSRS). The main window displays the 'Report Wizard' dialog box, which is on the 'Completing the Wizard' step. The report is named 'StudsReports'. The summary section provides details about the report's configuration, including the data source (ITI_DS1), connection string (Data Source=.;Initial Catalog=ITI), report type (Table), layout (Stepped), style (Modern), and the query used (select * from student). Below the summary, there is a checkbox for 'Preview report'. At the bottom of the dialog are buttons for 'Help', '< Back' (disabled), 'Next >', 'Finish' (highlighted in blue), and 'Cancel'. To the left of the dialog is the 'SQL Server Object Explorer' showing database connections and projects. To the right is the 'Solution Explorer' showing the 'MansouraReports' project with its components: Shared Data Sources, Shared Datasets, and Reports. The status bar at the bottom includes links for 'Solve...', 'Toolb...', 'SSIS T...', 'SQL...', 'Output', 'Data Tools Operations', and activation information for Windows.



3- SQL Server Reporting Service-SSRS.



3-SQL Server Reporting Service SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

Report Data StudsReports.rdl [Design] Design Preview

New Edit... X Report Data StudsReports.rdl [Design] Design Preview

Built-in Fields Parameters Images Data Sources Datasets

StudsReports

St Id	St Fname
[St_Id]	[St_Fname]

Row Groups
= (table1_Details_Group)

General Credentials

Change name, type, and connection options.

Name: ITI_DS1

Type: Microsoft SQL Server

Connection string: Data Source=.;Initial Catalog=ITI

OK Cancel

Solution Explorer Quick Launch (Ctrl+Q) Sign In

Solution Explorer Search Solution Explorer (Ctrl+;) Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports

Output Data Tools Operations

Ready

Activate Windows
Go to Settings to activate Windows.

Publish

This screenshot shows the Microsoft Visual Studio interface for creating a new data source (ITI_DS1) for an SSRS report (StudsReports.rdl). The 'General' tab is selected in the 'Data Source Configuration' dialog. The 'Name' field contains 'ITI_DS1', 'Type' is set to 'Microsoft SQL Server', and the 'Connection string' field contains 'Data Source=.;Initial Catalog=ITI'. The 'Solution Explorer' window on the right shows the project structure under 'MansouraReports' with 'ITI_DS1.rds' highlighted. The main workspace displays the report design with a table containing student information.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Test Analyze Window Help

Report Data New Edit... X ↑ ↓

StudsReports.rdl [Design] Design Preview

StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
[St_Id]	[St_Fname]	[St_Lname]	[St_Address]	[St_Age]	[Dept_Id]	[St_super]

Row Groups Column Groups

= (table1_Details_Group)

Solution Explorer

Search Solution Explorer (Ctrl+.)

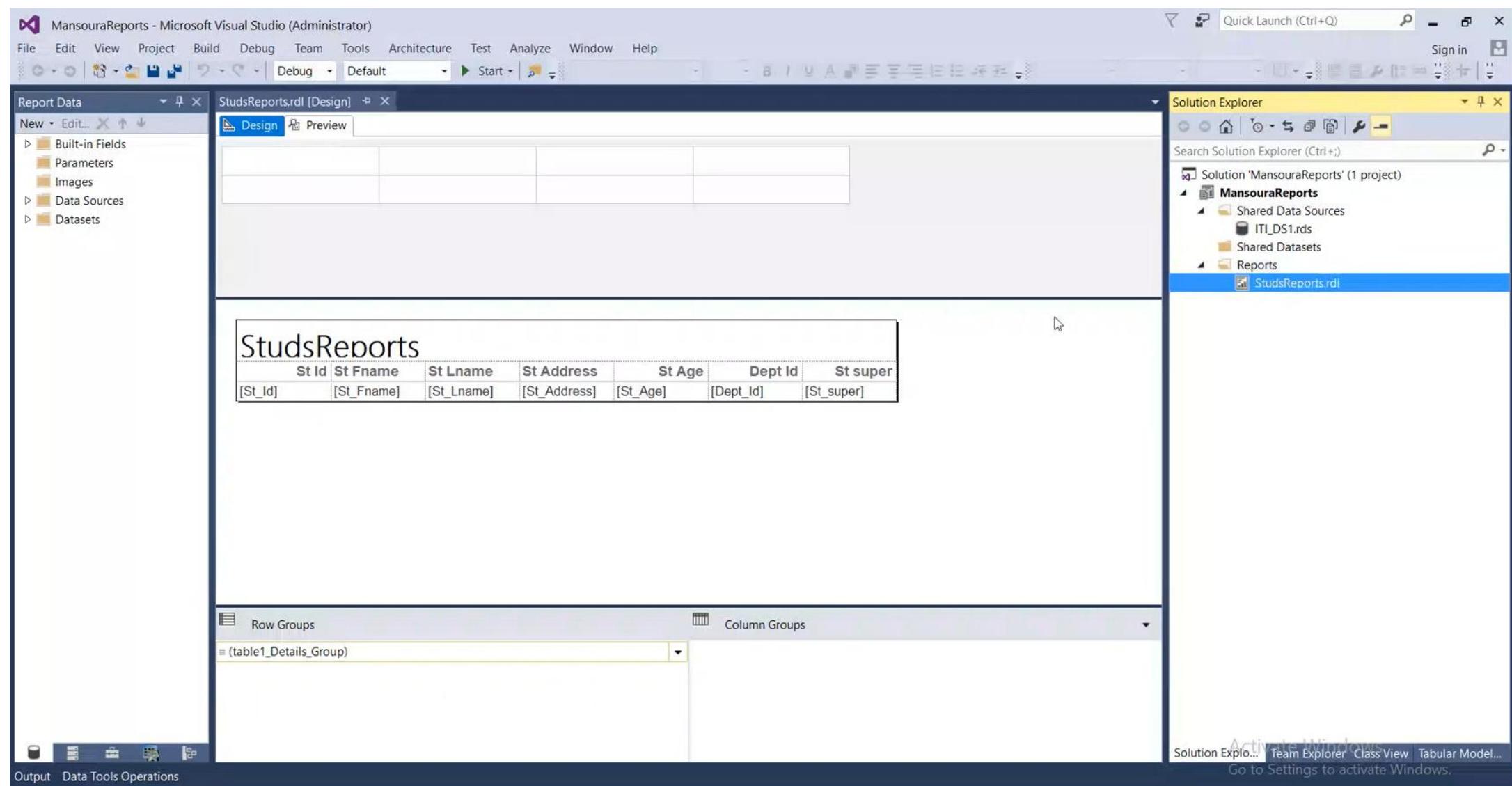
Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl

Output Data Tools Operations

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.



Screenshot of the Microsoft Visual Studio IDE showing the Report Data window and Solution Explorer.

The Report Data window displays the "StudsReports.rdl [Design]" report. The report contains a table with the following columns:

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
[St_Id]	[St_Fname]	[St_Lname]	[St_Address]	[St_Age]	[Dept_Id]	[St_super]

The Solution Explorer window shows the project structure:

- Solution 'MansouraReports' (1 project)
 - MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl

A context menu is open over the "StudsReports.rdl" item in the Solution Explorer, with a red arrow pointing to the "Properties" option. The context menu also includes other options like Open, View Code, View Designer, Scope to This, New Solution Explorer View, Exclude From Project, Cut, Copy, Delete, Rename, Build, Deploy, and Run.

Bottom navigation bar:

- Output Data Tools Operations
- Solution Explorer Team Explorer Class View Tabular Model...
- Go to Settings to activate Windows.
- Publish

Message at the bottom: "This item does not support previewing".

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team XML Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

Server Explorer

Data Connections

Servers

StudsReports.rdl [Design]

83 <TablixBody>

84 <TablixColumns>

85 <TablixColumn>

86 <Width>1in</Width>

87 </TablixColumn>

88 <TablixColumn>

89 <Width>1in</Width>

90 </TablixColumn>

91 <TablixColumn>

92 <Width>1in</Width>

93 </TablixColumn>

94 <TablixColumn>

95 <Width>1in</Width>

96 </TablixColumn>

97 <TablixColumn>

98 <Width>1in</Width>

99 </TablixColumn>

100 <TablixColumn>

101 <Width>1in</Width>

102 </TablixColumn>

103 <TablixColumn>

104 <Width>1in</Width>

105 </TablixColumn>

106 </TablixColumns>

107 <TablixRows>

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

Shared Data Sources

ITI_DS1.rds

Shared Datasets

Reports

StudsReports.rdl

Serve... Toolb... SSIS T... SQL S... 150% Output Data Tools Operations

Activate Windows Go to Settings to activate Windows.

The screenshot shows the Microsoft Visual Studio interface with the title bar "MansouraReports - Microsoft Visual Studio (Administrator)". The menu bar includes File, Edit, View, Project, Build, Debug, Team, XML, Tools, Architecture, Test, Analyze, Window, and Help. The toolbar has icons for Save, Undo, Redo, Cut, Copy, Paste, Find, Replace, and others. The Server Explorer window on the left lists Azure, Data Connections (with desktop-vf50p25\alex.ITI_DS1 selected), and Servers. The main area displays the XML code for "StudsReports.rdl [Design]" with line numbers from 83 to 107. The code defines a TablixBody with multiple TablixColumns, each having a width of 1in. The Solution Explorer window on the right shows a single project "MansouraReports" containing Shared Data Sources (ITI_DS1.rds), Shared Datasets, Reports, and the selected file "StudsReports.rdl". The status bar at the bottom shows "150%" zoom and links for "Output", "Data Tools", and "Operations". A watermark for "Activate Windows" is visible in the bottom right corner.

Server Explorer StudsReports.rdl [Design]

```
287 <FontWeight>Bold</FontWeight>
288 <Color>#666666</Color>
289 </Style>
290 </TextRun>
291 </TextRuns>
292 <Style>
293 <FontFamily />
294 < TextAlign>Right</ TextAlign>
295 </Style>
296 <Paragraph>
297 </Paragraphs>
298 <rd:DefaultName>textbox6</rd:DefaultName>
299 < Height>0.22in</ Height>
300 < Width>1in</ Width>
301 <Style>
302 <Border>
303 <Color>LightGrey</Color>
304 </Border>
305 <BottomBorder>
306 <Style>Solid</Style>
307 </BottomBorder>
308 <FontFamily />
309 <PaddingLeft>2pt</PaddingLeft>
310 <PaddingRight>2pt</PaddingRight>
311 <PaddingTop>2pt</PaddingTop>
```

Serve... Toolb... SSIS T... SQL S... 150% Output Data Tools Operations

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports

StudsReports.rdl

Activate Windows
Go to Settings to activate Windows.

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <Report xmlns="http://schemas.microsoft.com/sqlserver/reporting/2016/01/report-
3    <df:DefaultFontFamily>Segoe UI</df:DefaultFontFamily>
4    <AutoRefresh>0</AutoRefresh>
5    <DataSources>
6      <DataSource Name="ITI_DS1">
7        <DataSourceReference>ITI_DS1</DataSourceReference>
8        <rd:SecurityType>None</rd:SecurityType>
9        <rd:DataSourceID>717fb7d7-7576-47cb-a681-8354e75b8573</rd:DataSourceID>
10       </DataSource>
11     </DataSources>
12     <DataSets>
13       <DataSet Name="DataSet1">
14         <Query>
15           <DataSourceName>ITI_DS1</DataSourceName>
16           <CommandText>select * from student</CommandText>
17           <rd:UseGenericDesigner>true</rd:UseGenericDesigner>
18         </Query>
19         <Fields>
20           <Field Name="St_Id">
21             <DataField>St_Id</DataField>
22             <rd:TypeName>System.Int32</rd:TypeName>
23           </Field>
24           <Field Name="St_Fname">
25             <DataField>St_Fname</DataField>
```

XML

While XML (eXtensible Markup Language).
it can be used for data interchange, Especially for
integrating various systems.



☆ في حين أن XML (لغة الترميز القابلة للتوسيع) يمكن استخدامها لتبادل البيانات، وخاصة لدمج أنظمة مختلفة.

fi hin 'ana XML (lughat altarmiz alqabilat liltawsiei) yumkin
aistikhdamuha litabadul albayanati, wakhasatan lidamj 'anzimat
mukhtalifatin.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Help

Report Data StudsReports.rdl [Design] Design Preview

Dataset Properties

Query

Name: DataSet1

Use a shared dataset.
 Use a dataset embedded in my report.

Data source: ITI_DS1 New...

Query type: Text Table Stored Procedure

Query:

```
select * from student
```

Query Designer... Import... Refresh Fields

Help OK Cancel

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports
- StudsReports.rdl

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Publish

The screenshot shows the Microsoft Visual Studio interface with the 'StudsReports.rdl [Design]' tab selected. A 'Dataset Properties' dialog box is open, specifically the 'Query' tab. The 'Name' field contains 'DataSet1'. The 'Data source' dropdown is set to 'ITI_DS1'. The 'Query type' is set to 'Text', and the query itself is a simple SQL statement: 'select * from student'. The dialog also includes buttons for 'Query Designer...', 'Import...', and 'Refresh Fields'. At the bottom, there are 'OK' and 'Cancel' buttons. To the left of the dialog, the report's design view is visible, showing a table structure with columns 'St_Id' and 'St_Fname'. The 'Row Groups' section indicates a group named '(table1_Details_Group)'. The 'Solution Explorer' pane on the right lists the project structure, including 'MansouraReports' with its subfolders like 'Shared Data Sources' and 'Reports', and the specific report file 'StudsReports.rdl'.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Format Report Tools Architecture Test Analyze Window Help

Report Data Default Start Solid 1 pt Black

StudsReports.rdl [Design] Design Preview 1 of 1 100% Find Next

StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
1	Ahmed	Hassan	Cairo	20	10	
2	Amr	Magdy	Cairo	21	10	1
3	Mona	Saleh	Cairo	28	10	1
4	Mohamed	Alex		23	10	1
5	Moahmed	Alex		24	10	1
6	Heba	Farouk	Mansoura	25	20	
7	Ali	Hussien	Cairo	25	20	6
8			Alex	28	20	6
9	Saly	Ahmed	Mansoura	24	20	
10	Fady	Ali	Alex	24	20	9
11	mohamed ali	Ahmed	Cairo	24	20	9
12	Noha	Omar	Cairo	21	30	
13	Said			22	30	12
14	omar	Saleh	Tanta	22	30	
15	X			22	30	
16				25	30	
17	Y			25	30	
44				25	30	
100	omar					

Output Data Tools Operations

Activate Windows Solution Explo... Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

Report Data Default Start Solid 1 pt Black

StudsReports.rdl [Design] Design Preview 1 of 1 100% Find Next

StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
1	Ahmed	Hassan	Cairo	20	10	
2	Amr	Magdy	Cairo	21	10	1
3	Mona	Saleh	Cairo	28	10	1
4	Mohamed	Alex		23	10	1
5	Moahmed	Alex		24	10	1
6	Heba	Farouk	Mansoura	25	20	
7	Ali	Hussien	Cairo	25	20	6
8			Alex	28	20	6
9	Saly	Ahmed	Mansoura	24	20	
10	Fady	Ali	Alex	24	20	9
11	mohamed ali	Ahmed	Cairo	24	20	9
12	Noha	Omar	Cairo	21	30	
13	Said			22	30	12
14	omar	Saleh	Tanta	22	30	
15	X			22	30	
16				25	30	
17	Y			25	30	
44				25	30	
100	omar					

Output Data Tools Operations

Activate Windows Solution Explo... Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Format Report Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

Report Data

StudsReports.rdl [Design] Design Preview

1 of 1 Find | Next

Word
Excel
PowerPoint
PDF
TIFF file
MHTML (web archive)
CSV (comma delimited)
XML file with report data

StudsReports

St Id	St Fname	St Lname	Dept Id	St super
1	Ahmed	Hassan	10	
2	Amr	Magdy	10	1
3	Mona	Saleh	10	1
4	Mohamed		10	1
5	Moahmed		10	1
6	Heba	Farouk	25	20
7	Ali	Hussien	25	20
8		Alex	28	20
9	Saly	Ahmed	24	20
10	Fady	Ali	24	20
11	mohamed ali	Ahmed	24	20
12	Noha	Omar	21	30
13	Said		22	30
14	omar	Saleh	22	30
15	X		22	30
16			25	30
17	Y		25	30
44			25	30
100	omar			

Solution Explorer

Search Solution Explorer (Ctrl+I)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl

Activate Windows... Go to Settings to activate Windows.

Output Data Tools Operations

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Format Report Tools Architecture Test Analyze Window Help

Report Data StudsReports.rdl [Design] X

Design Preview

1 of 1 Find | Next

StudsReports

St Id	St Fname	St Lname	Dept Id	St super	
1	Ahmed	Hassan	10		
2	Amr	Magdy	10	1	
3	Mona	Saleh	10	1	
4	Mohamed		10	1	
5	Moahmed	Alex	10	1	
6	Heba	Farouk	Mansoura	25	20
7	Ali	Hussien	Cairo	25	20
8			Alex	28	20
9	Saly	Ahmed	Mansoura	24	20
10	Fady	Ali	Alex	24	20
11	mohamed ali	Ahmed	Cairo	24	20
12	Noha	Omar	Cairo	21	30
13	Said			22	30
14	omar	Saleh	Tanta	22	30
15	X			22	30
16				25	30
17	Y			25	30
44				25	30
100	omar				

Word
Excel
PowerPoint
PDF
TIFF file
MHTML (web archive)
CSV (comma delimited)
XML file with report data

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl

Output Data Tools Operations

Activate Windows... Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Format Report Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

Report Data StudsReports.rdl [Design] Design Preview

1 of 1 Find | Next

Word
Excel
PowerPoint
PDF
TIFF file
MHTML (web archive)
CSV (comma delimited)
XML file with report data

StudsReports

St Id	St Fname	St Lname	Dept Id	St super
1	Ahmed	Hassan	10	
2	Amr	Magdy	10	1
3	Mona	Saleh	10	1
4	Mohamed		10	1
5	Moahmed	Alex	10	1
6	Heba	Farouk	Mansoura	20
7	Ali	Hussien	Cairo	20
8			Alex	20
9	Saly	Ahmed	Mansoura	20
10	Fady	Ali	Alex	20
11	mohamed ali	Ahmed	Cairo	20
12	Noha	Omar	Cairo	30
13	Said			30
14	omar	Saleh	Tanta	30
15	X			30
16				30
17	Y			30
44				30
100	omar			

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl

Activate Windows Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Publish

3-SQL Server Reporting Service SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

Report Data Report Data [StudsReports.rdl [Design]] Design Preview

StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
1	Ahmed	Hassan	Cairo	20	10	
2	Amr	Magdy	Cairo	21	10	1
3	Mona	Saleh	Cairo	22	10	
4	Mohamed	Alex				
5	Moahmed	Alex				
6	Heba	Farouk	Mansoura			
7	Ali	Hussien	Cairo			
8		Alex				
9	Saly	Ahmed	Mansoura			
10	Fady	Ali	Alex			
11	mohamed ali	Ahmed	Cairo			
12	Noha	Omar	Cairo			
13	Said					
14	omar	Saleh	Tanta			
15	X					
16						
17	Y					
44						
100	omar					

Save As

Organise ▾ New folder

Name	Date modified	Type	Size
ITI	07/10/2020 13:41	File folder	
MetroSales	26/10/2020 12:48	File folder	

File name: StudsReports.pdf

Save as type: PDF (*.pdf)

Save Cancel

Output Data Tools Operations

Quick Launch (Ctrl+Q) Sign In

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports
- StudsReports.rdl

Activate Windows Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model...

The screenshot shows the Microsoft Visual Studio interface with the following details:

- Report Data** window on the left.
- StudsReports.rdl [Design]** window in the center, showing the report design.
- Solution Explorer** window on the right, displaying the project structure:

 - Solution 'MansouraReports' (1 project)
 - MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl

The report design view shows the following table data:

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
1	Ahmed	Hassan	Cairo	20	10	
2	Amr	Magdy	Cairo	21	10	1
3	Mona	Saleh	Cairo	28	10	1
4		Mohamed	Alex	23	10	1
5		Moahmed	Alex	24	10	1
6	Heba	Farouk	Mansoura	25	20	
7	Ali	Hussien	Cairo	25	20	6
8			Alex	28	20	6
9	Saly	Ahmed	Mansoura	24	20	
10	Fady	Ali	Alex	24	20	9
11	mohamed ali	Ahmed	Cairo	24	20	9
12	Noha	Omar	Cairo	21	30	
13	Said			22	30	12
14	omar	Saleh	Tanta	22	30	
				22	30	
				25	30	
				25	30	
				25	30	

Build output message:

```
----- Build started: Project: MansouraReports, Configuration: Debug -----
Skipping 'ITI_DS1.rds'. Item is up to date.
Skipping 'StudsReports.rdl'. Item is up to date.
Build complete -- 0 errors, 0 warnings
```

Output window at the bottom:

```
100 omar
```

SQL Server Reporting Services

⚙️ ⏪ ? Rami

★ Favorites Browse

Manage folder

+ New

Upload

View

Search...



Home

FOLDERS (9)

Data Sources

Report Project1

Report Project10

Report Project12

Report Project2

Report Project5

Report Project6

Report Project7

Report Project9

Activate Windows
Go to Settings to activate Windows.

SQL Server Reporting Services

⚙️ ⏪ ? Rami

★ Favorites

Browse

Manage folder

+ New

Upload

View

Search...



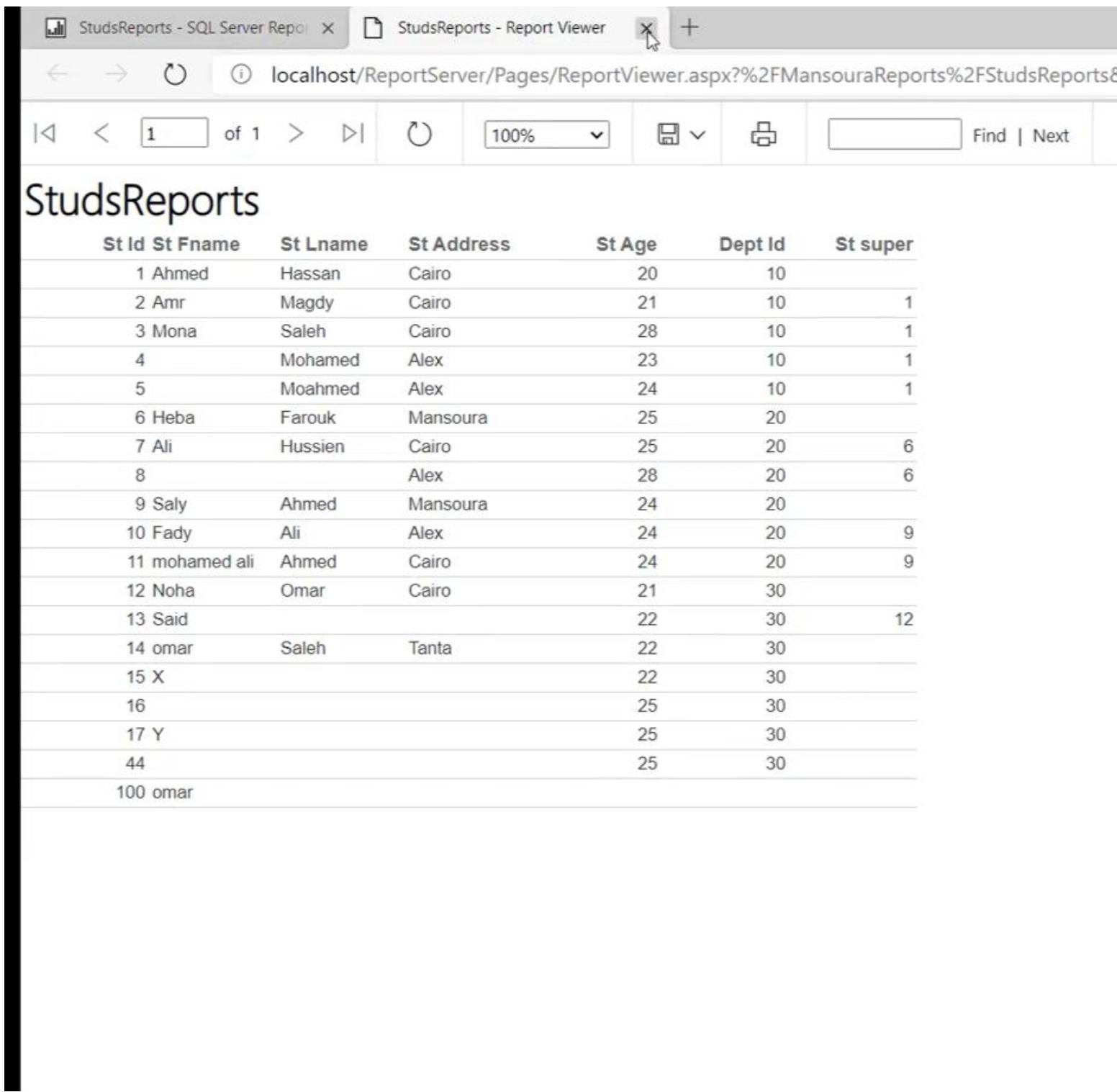
MansouraReports

Home > MansouraReports

PAGINATED REPORTS (1)



Activate Windows
Go to Settings to activate Windows.



SQL Server Reporting Services

Favorites Browse

[Home](#) > [MansouraReports](#) > **StudsReports**

|< < of 1 > >| ⏪ ⏴ ⏵ | 100% | ⌂ ⌄ | ⌂ | Find | Next |

StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
1	Ahmed	Hassan	Cairo	20	10	
2	Amr	Magdy	Cairo	21	10	1
3	Mona	Saleh	Cairo	28	10	1
4		Mohamed	Alex	23	10	1
5		Moahmed	Alex	24	10	1
6	Heba	Farouk	Mansoura	25	20	
7	Ali	Hussien	Cairo	25	20	6
8			Alex	28	20	6
9	Saly	Ahmed	Mansoura	24	20	
10	Fady	Ali	Alex	24	20	9
11	mohamed ali	Ahmed	Cairo	24	20	9
12	Noha	Omar	Cairo	21	30	
13	Said			22	30	12
14	omar	Saleh	Tanta	22	30	
15	X			22	30	
16				25	30	
17	Y			25	30	
44				25	30	
100	omar					

Screenshot of the Microsoft Visual Studio Report Designer interface showing the creation of a new report item.

The main window displays the "StudsReports.rdl [Design]" report. A red arrow points from the "Add" button in the context menu to the "Add New Report" option.

Report Data pane:

- New • Edit... X ↑ ↓
- Built-in Fields
- Parameters
- Images
- Data Sources
 - ITI_DS1
- Datasets
- DataSet1

Design tab is selected.

Solution Explorer pane:

- Search Solution Explorer (Ctrl+.)
- Solution 'MansouraReports' (1 project)
- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets

A context menu is open at the bottom right of the report area, with the "Add" option highlighted.

Add context menu options:

- New Item... Ctrl+Shift+A
- Existing Item... Shift+Alt+A
- Add
- Properties Alt+Enter

StudsReports report preview:

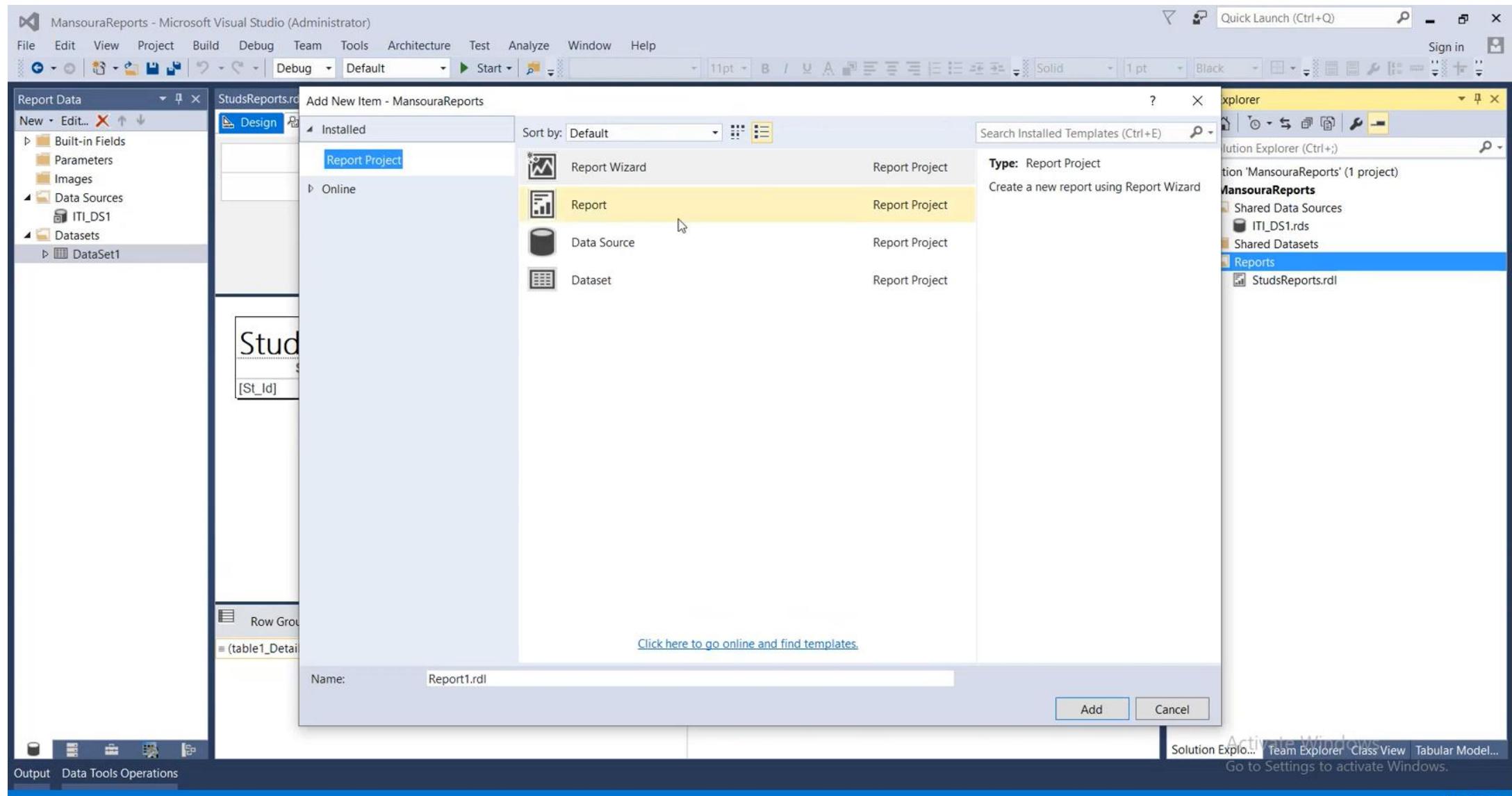
St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
[St_Id]	[St_Fname]	[St_Lname]	[St_Address]	[St_Age]	[Dept_Id]	[St_super]

Row Groups and **Column Groups** sections are visible in the report designer.

Output and **Data Tools Operations** buttons are at the bottom left.

Solution Explorer status bar:

- Activate Windows
- Solution Explor... Team Explorer Class View Tabular Model...
- Go to Settings to activate Windows.



MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Test Analyze Window Help

Quick Launch (Ctrl+Q) Sign in

Report Data | StudsReports.rdl [Design] | X

New Edit... X ↑ ↓ | Design | Preview

Built-in Fields Parameters Images

Data Sources ITI_DS1

Datasets DataSet1

Design Preview

StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
[St_Id]	[St_Fname]	[St_Lname]	[St_Address]	[St_Age]	[Dept_Id]	[St_super]

Row Groups Column Groups

(table1_Details_Group)

Output Data Tools Operations

Solution Explorer | Search Solution Explorer (Ctrl+;) | Solution 'MansouraReports' (1 project)

MansouraReports | Shared Data Sources | ITI_DS1.rds

Shared Datasets | Reports | StudsReports.rdl

Activate Windows | Go to Settings to activate Windows.

Solution Explo... Team Explorer Class View Tabular Model... | Publish

3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Insert Tools Analyze Help

Report Data Report1.rdl [Design] StudsReports.rdl [Design]

Design Preview

To add an item to the report: drag an item from the Toolbox to the design surface, and then drag dataset fields to the item.

Row Groups Column Groups

Output Data Tools Operations

Quick Launch (Ctrl+Q) Sign In

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

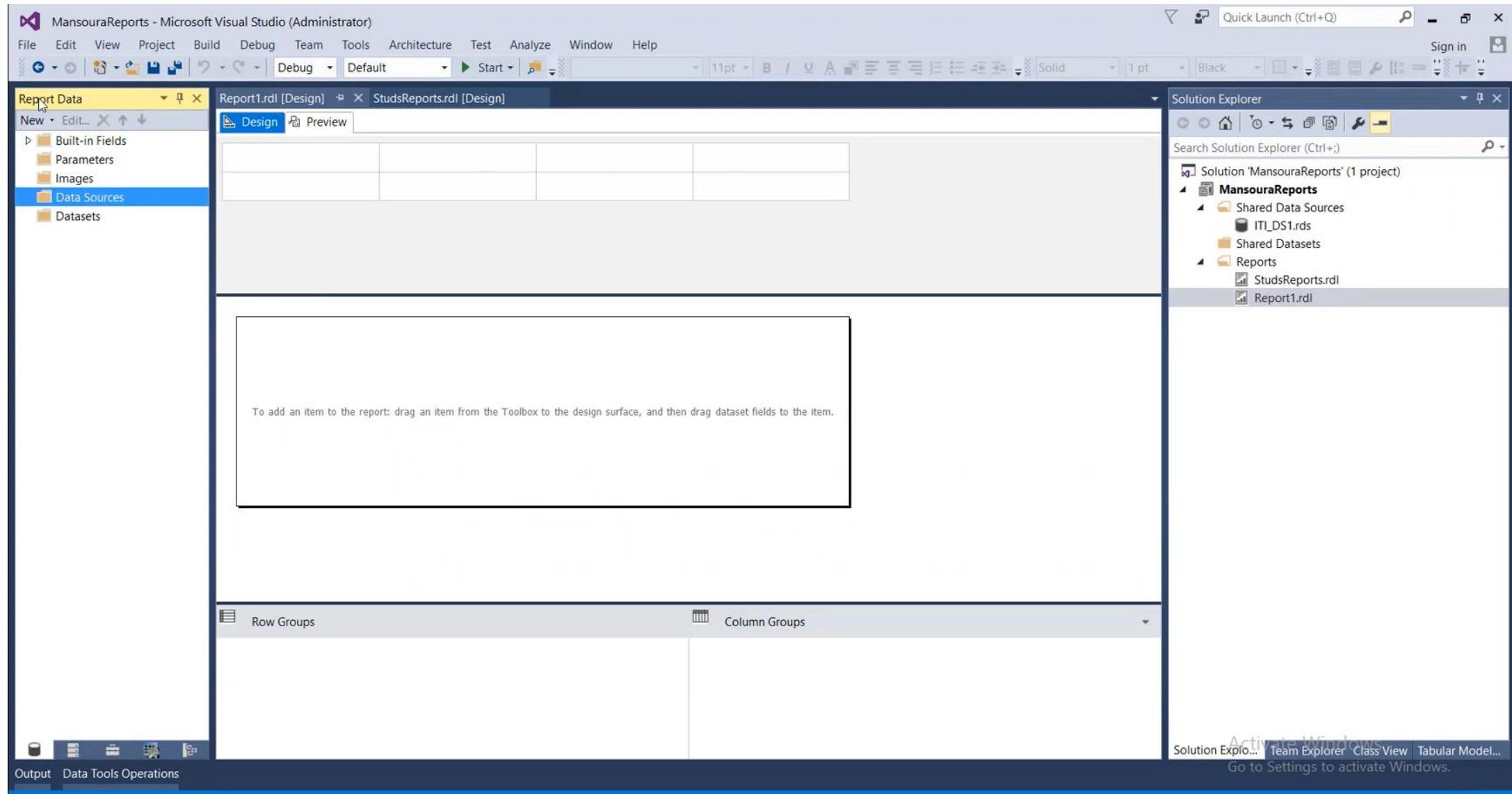
Solution MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Solution Explo... Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

This item does not support previewing

Publish



3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

Report Data Report1.rdl [Design] StudsReports.rdl [Design]

Design Preview

New Edit... Add Data Source...

Built-in Fields Parameters Images Data Sources Datasets

To add an item to the report: drag an item from the Toolbox to the design surface, and then drag dataset fields to the item.

Row Groups Column Groups

Output Data Tools Operations

Ready

Quick Launch (Ctrl+Q) Sign In

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

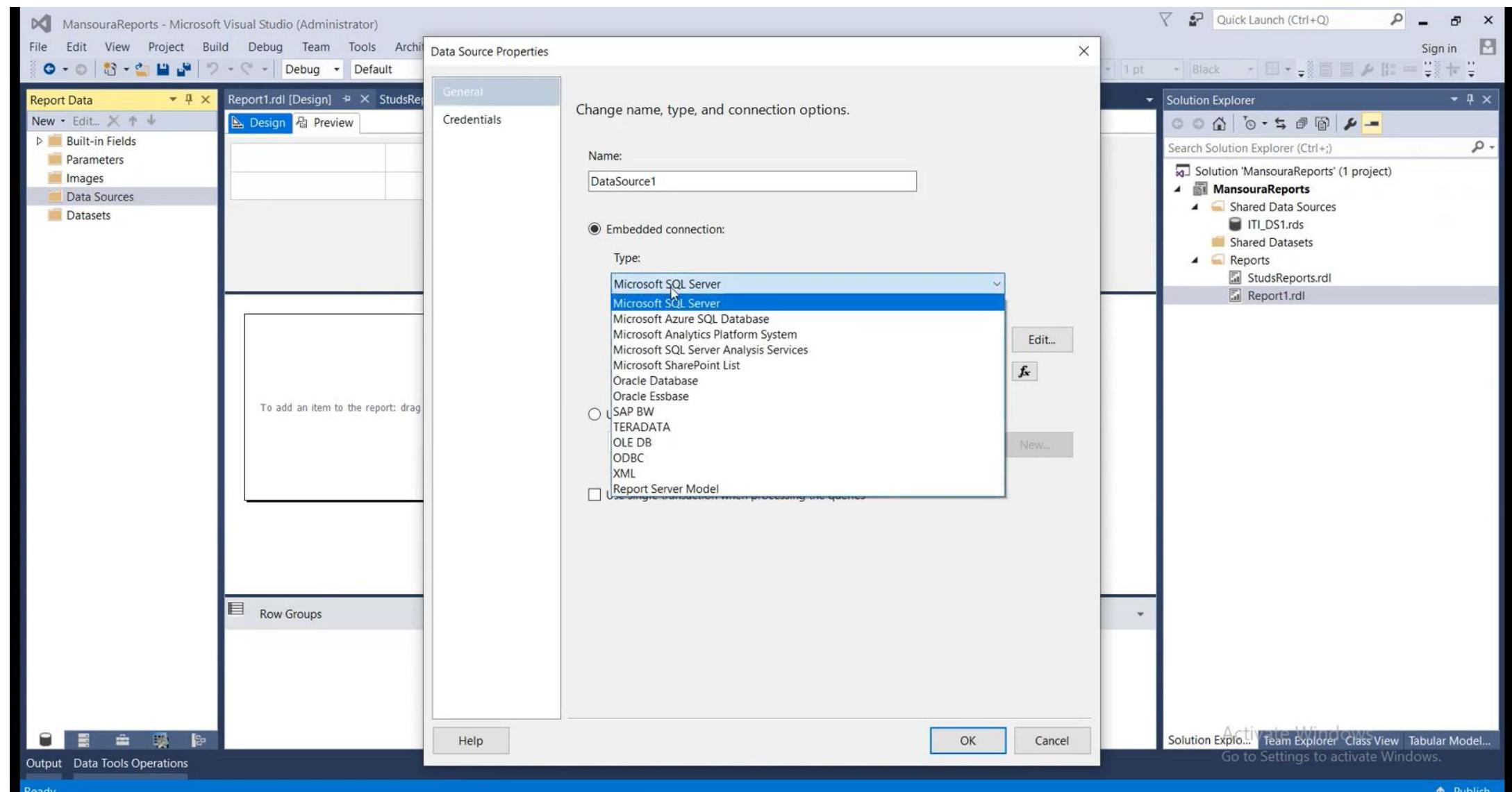
Solution 'MansouraReports' (1 project)

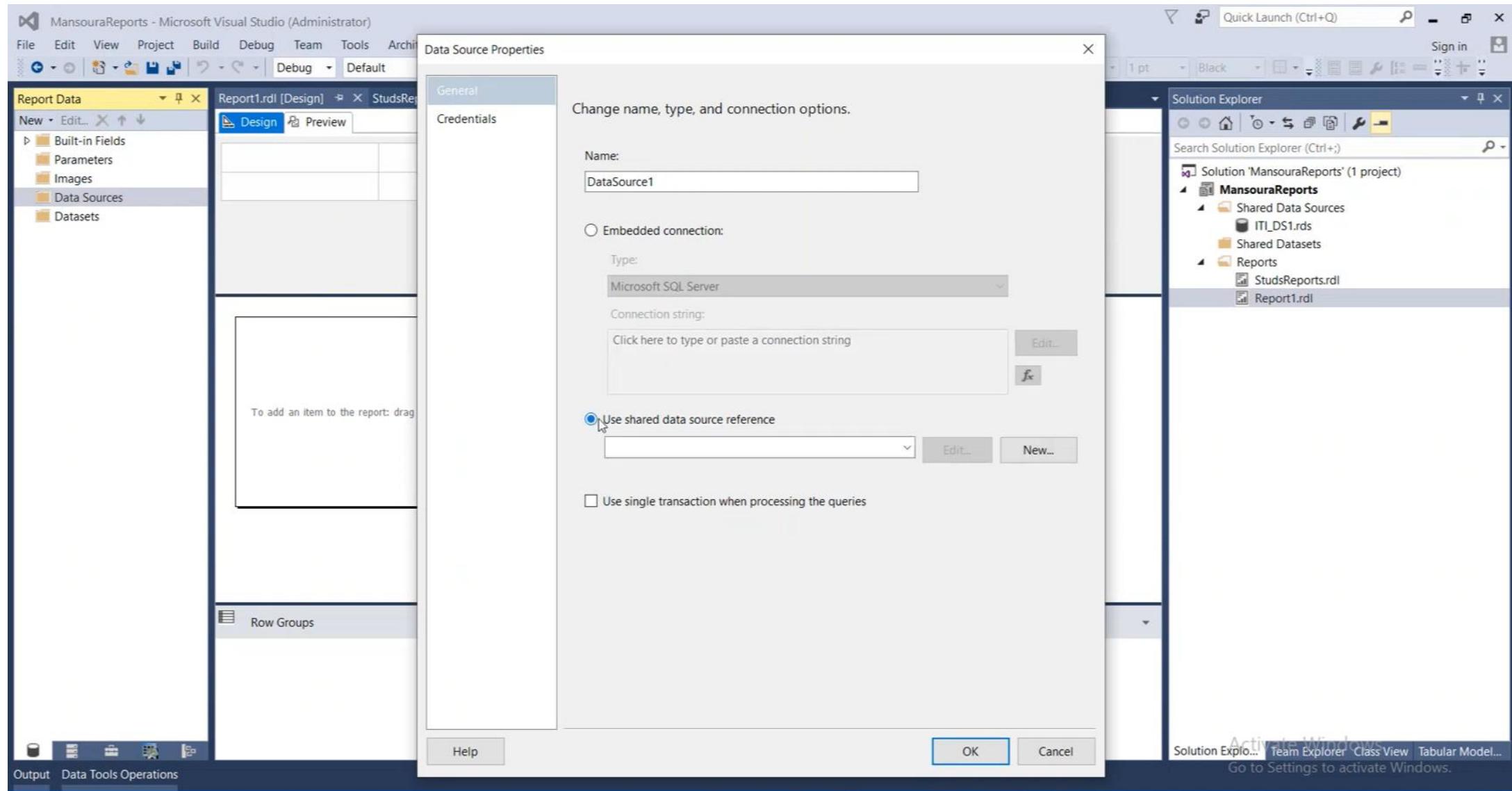
- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Active Windows
Solution Explor... Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

Publish

The screenshot displays the Microsoft Visual Studio interface for developing SQL Server Reporting Services (SSRS) reports. The title bar indicates the project is named 'MansouraReports'. The 'Report Data' pane on the left shows a tree structure with 'Data Sources' selected, and a button labeled 'Add Data Source...' is highlighted with a yellow box. The main 'Design' view shows a table structure with four columns. A large text box in the center of the design surface contains the placeholder text: 'To add an item to the report: drag an item from the Toolbox to the design surface, and then drag dataset fields to the item.' At the bottom of the design surface, there are 'Row Groups' and 'Column Groups' buttons. The 'Solution Explorer' pane on the right lists the project structure, showing a single solution with one project named 'MansouraReports' containing 'Shared Data Sources', 'Shared Datasets', and 'Reports' (with 'StudsReports.rdl' and 'Report1.rdl' listed). The status bar at the bottom includes links for 'Solution Explor...', 'Team Explorer', 'Class View', 'Tabular Model...', 'Go to Settings to activate Windows.', and 'Publish'.





MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Help

Report Data Report1.rdl [Design] StudsReports

Report Data New Edit... Design Preview

Built-in Fields Parameters Images Data Sources Datasets

To add an item to the report: drag

Row Groups

1 pt Black

Quick Launch (Ctrl+Q) Sign in

Data Source Properties General Credentials

Change name, type, and connection options.

Name: DataSource1

Embedded connection:

Type: Microsoft SQL Server

Connection string: Click here to type or paste a connection string

Use shared data source reference (selected)

ITI_DS1

Use single transaction when processing the queries

OK Cancel

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports
- StudsReports.rdl
- Report1.rdl

Activate Windows
Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Publish

The screenshot shows the Microsoft Visual Studio interface for a report named 'Report1.rdl'. The main window displays a blank report design area with a placeholder message 'To add an item to the report: drag'. On the left, a 'Report Data' tool window lists categories like Built-in Fields, Parameters, Images, Data Sources, and Datasets. The 'Data Sources' category is currently selected. The 'Solution Explorer' pane on the right shows a solution named 'MansouraReports' containing a project folder 'MansouraReports' with files ITI_DS1.rds, Shared Datasets, Reports, StudsReports.rdl, and Report1.rdl. The 'Report1.rdl' file is currently selected. A 'Data Source Properties' dialog box is open over the main window, specifically the 'General' tab. It allows changing the data source name to 'DataSource1', select the 'Type' as 'Microsoft SQL Server', and choose a 'Connection string'. The 'Use shared data source reference' option is selected, and the dropdown menu shows 'ITI_DS1' is chosen. There is also an unchecked checkbox for 'Use single transaction when processing the queries'. At the bottom of the dialog are 'OK' and 'Cancel' buttons, with 'OK' being the active button.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Archi...

Report Data Report1.rdl [Design] StudsRe...

New Edit... Design Preview

Built-in Fields Parameters Images Data Sources Datasets

To add an item to the report: drag

Row Groups

Report Data

Report1.rdl [Design]

Default

General

Credentials

Name:

Embedded connection:

Type: Microsoft SQL Server

Connection string: Click here to type or paste a connection string

Use shared data source reference

Use single transaction when processing the queries

Help OK Cancel

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Quick Launch (Ctrl+Q) Sign in

1 pt Black

Report1.rdl

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Test Window Help

Report Data Report1.rdl [Design] * StudsReports.rdl [Design]

Design Preview

New Edit... X ↑ ↓

Built-in Fields
Parameters
Images
Data Sources
DataSource1
Datasets

11pt B / A Solid 1 pt Black

To add an item to the report: drag an item from the Toolbox to the design surface, and then drag dataset fields to the item.

Row Groups Column Groups

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Publish

This screenshot shows the Microsoft Visual Studio interface for report development. The title bar indicates the project is 'MansouraReports' and it's running as an administrator. The menu bar includes standard options like File, Edit, View, Project, Build, Debug, Team, Tools, Architecture, Test, Window, and Help. The toolbar contains various icons for file operations. The ribbon at the top has tabs for 'Report Data' (selected), 'Design' (active), and 'Preview'. The 'Report Data' tab shows a list of items: Built-in Fields, Parameters, Images, Data Sources, and Datasets. Under 'Data Sources', 'DataSource1' is selected. The main workspace is the 'Design' view, which displays a blank report template with a message instructing users to add items by dragging from the toolbox. Below the workspace is a grouping panel for 'Row Groups' and 'Column Groups'. The 'Solution Explorer' pane on the right shows the project structure: 'Solution MansouraReports' containing 'MansouraReports' which includes 'Shared Data Sources' (with 'ITI_DS1.rds'), 'Shared Datasets', and 'Reports' (with 'StudsReports.rdl' and 'Report1.rdl'). The status bar at the bottom provides information about the output, tools, and current state ('Ready'). A watermark for activating Windows is visible in the bottom right corner.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Help

Report Data Report1.rdl [Design] Default

Dataset Properties

Query

Name: DataSet1

Use a shared dataset.

Use a dataset embedded in my report.

To add an item to the report: drag

Row Groups

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
 - ITI_DS1.rds
- Shared Datasets
- Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Publish

This screenshot shows the Microsoft Visual Studio interface for report development. The main window displays the 'Dataset Properties' dialog for 'Report1.rdl'. The dialog is titled 'Query' and contains a 'Name:' field set to 'DataSet1'. There are two radio button options: 'Use a shared dataset.' and 'Use a dataset embedded in my report.', both of which are currently unselected. Below the dialog is the report's design view, which is currently empty. The report's structure is visible through the 'Row Groups' section. On the left, the 'Report Data' pane lists various report components like 'Built-in Fields', 'Parameters', 'Images', 'Data Sources', and 'Datasets'. The 'Datasets' section is selected. On the right, the 'Solution Explorer' pane shows the project structure under 'MansouraReports', including 'Shared Data Sources' (with 'ITI_DS1.rds'), 'Shared Datasets', and 'Reports' (with 'StudsReports.rdl' and 'Report1.rdl'). The status bar at the bottom indicates 'Ready' and includes links for 'Activate Windows', 'Solution Explorer', 'Team Explorer', 'Class View', 'Tabular Model...', and 'Publish'.

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

To add an item to the report: drag an item from the Toolbox to the design surface, and then drag dataset fields to the item.

Report Data

New Edit... X ↑ ↓

Built-in Fields
Parameters
Images
Data Sources
DataSource1
Datasets
Add Dataset...

Report1.rdl [Design] * X StudsReports.rdl [Design]

Design Preview

Row Groups Column Groups

Output Data Tools Operations

Activated Windows
Solution Explor... Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

A screenshot of the Microsoft Visual Studio Report Designer interface. The window title is 'Report1.rdl [Design]' and 'StudsReports.rdl [Design]'. The left sidebar, titled 'Report Data', shows a tree structure with 'Datasets' selected, and a yellow box highlights the 'Add Dataset...' button. A red arrow points upwards from the bottom of the screen towards this button. The main design surface is empty, with a placeholder message: 'To add an item to the report: drag an item from the Toolbox to the design surface, and then drag dataset fields to the item.' The bottom status bar shows 'Activated Windows' and links to 'Solution Explorer', 'Team Explorer', 'Class View', 'Tabular Model...', and 'Go to Settings to activate Windows.'

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Archive

Report Data Report1.rdl [Design]* StudsRe

New Edit... Design Preview

Built-in Fields Parameters Images Data Sources DataSource1 Datasets

Report1.rdl [Design]*

Query

Name: DataSet1

Use a shared dataset.

Use a dataset embedded in my report.

To add an item to the report: drag

Row Groups

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets

Reports

- StudsReports.rdl
- Report1.rdl

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

Output Data Tools Operations

Ready

Publish

The screenshot displays the Microsoft Visual Studio interface for developing reports. The main window shows the 'Report1.rdl [Design]*' file open. A 'Dataset Properties' dialog box is prominently displayed, specifically the 'Query' tab, where the dataset name is set to 'DataSet1'. The report design surface below is currently empty, with a placeholder message 'To add an item to the report: drag'. In the bottom right corner of the interface, there is a watermark or message: 'Activate Windows' followed by 'Solution Explorer Team Explorer Class View Tabular Model...' and 'Go to Settings to activate Windows.' The Solution Explorer on the right side of the screen lists the project structure, including 'MansouraReports' with its sub-folders 'Shared Data Sources' and 'Reports', and the files contained within them.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture

Report Data Report1.rdl [Design] * StudsRe...

Design Preview

New Edit... X Up Down

Built-in Fields Parameters Images

Data Sources

- DataSource1

Datasets

To add an item to the report: drag

Row Groups

Dataset Properties

Query Fields Options Filters Parameters

Choose a data source and create a query.

Name: DataSet1

Use a shared dataset.

Use a dataset embedded in my report.

Refresh Fields

Help OK Cancel

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Go to Settings to activate Windows.

Output Data Tools Operations

Ready Publish

The screenshot shows the 'Dataset Properties' dialog box in Microsoft Visual Studio. The 'Query' tab is selected. The 'Name:' field contains 'DataSet1'. The 'Use a shared dataset.' radio button is selected. The 'Report1.rdl [Design]' tab is active in the main window. The Solution Explorer window shows a project named 'MansouraReports' with files like 'ITI_DS1.rds', 'StudsReports.rdl', and 'Report1.rdl'. The status bar at the bottom right says 'Activate Windows'.

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Archive

Report Data Report1.rdl [Design]* StudsRe...

New Edit... Design Preview

Built-in Fields Parameters Images Data Sources
DataSource1 Datasets

To add an item to the report: drag

Row Groups

Dataset Properties

Query Fields Options Filters Parameters

Choose a data source and create a query.

Name: DataSet1

Use a shared dataset.
 Use a dataset embedded in my report.

Refresh Fields

Help OK Cancel

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets

Reports

- StudsReports.rdl
- Report1.rdl

Activate Windows
Go to Settings to activate Windows.

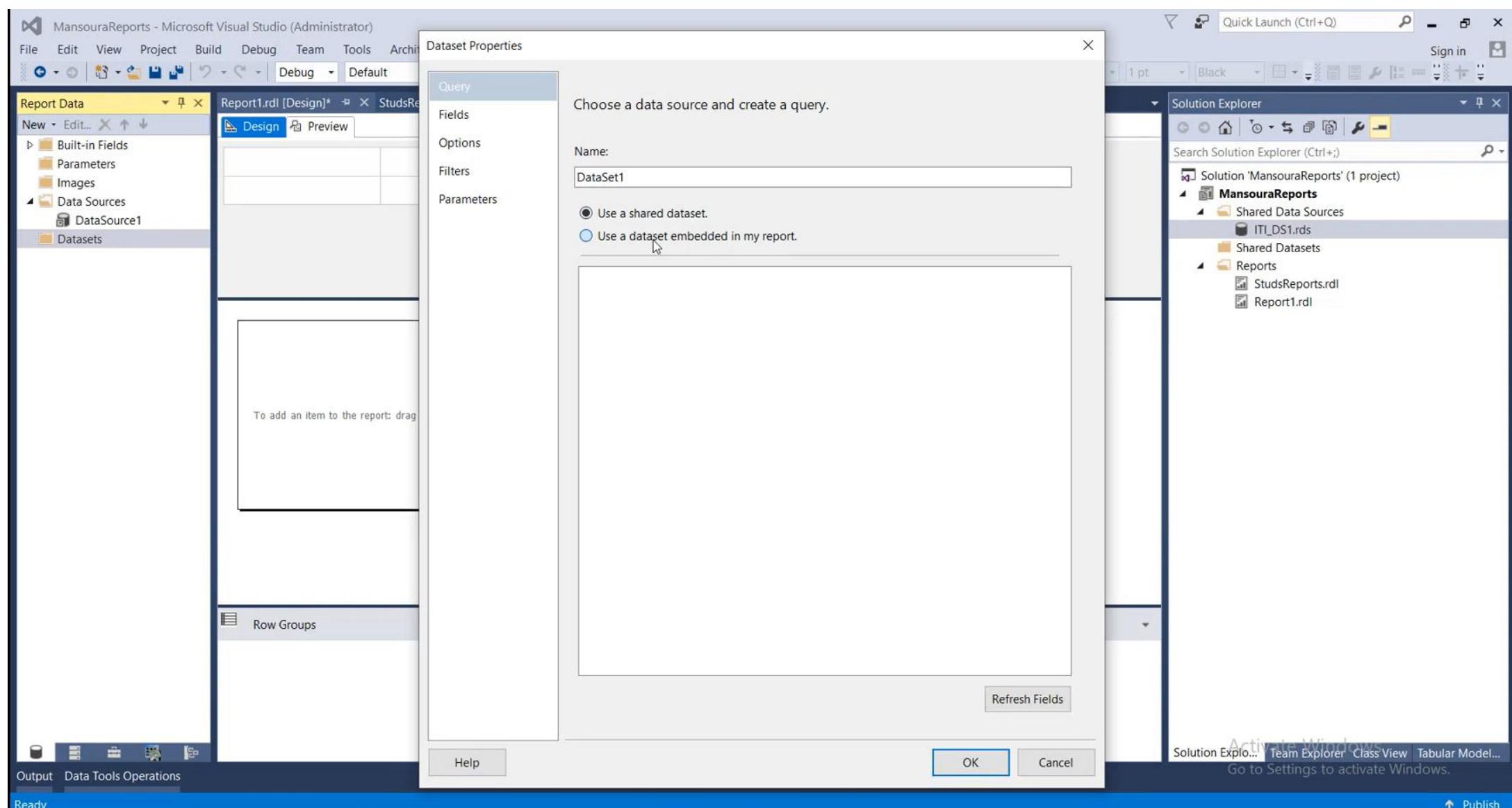
Output Data Tools Operations

Ready

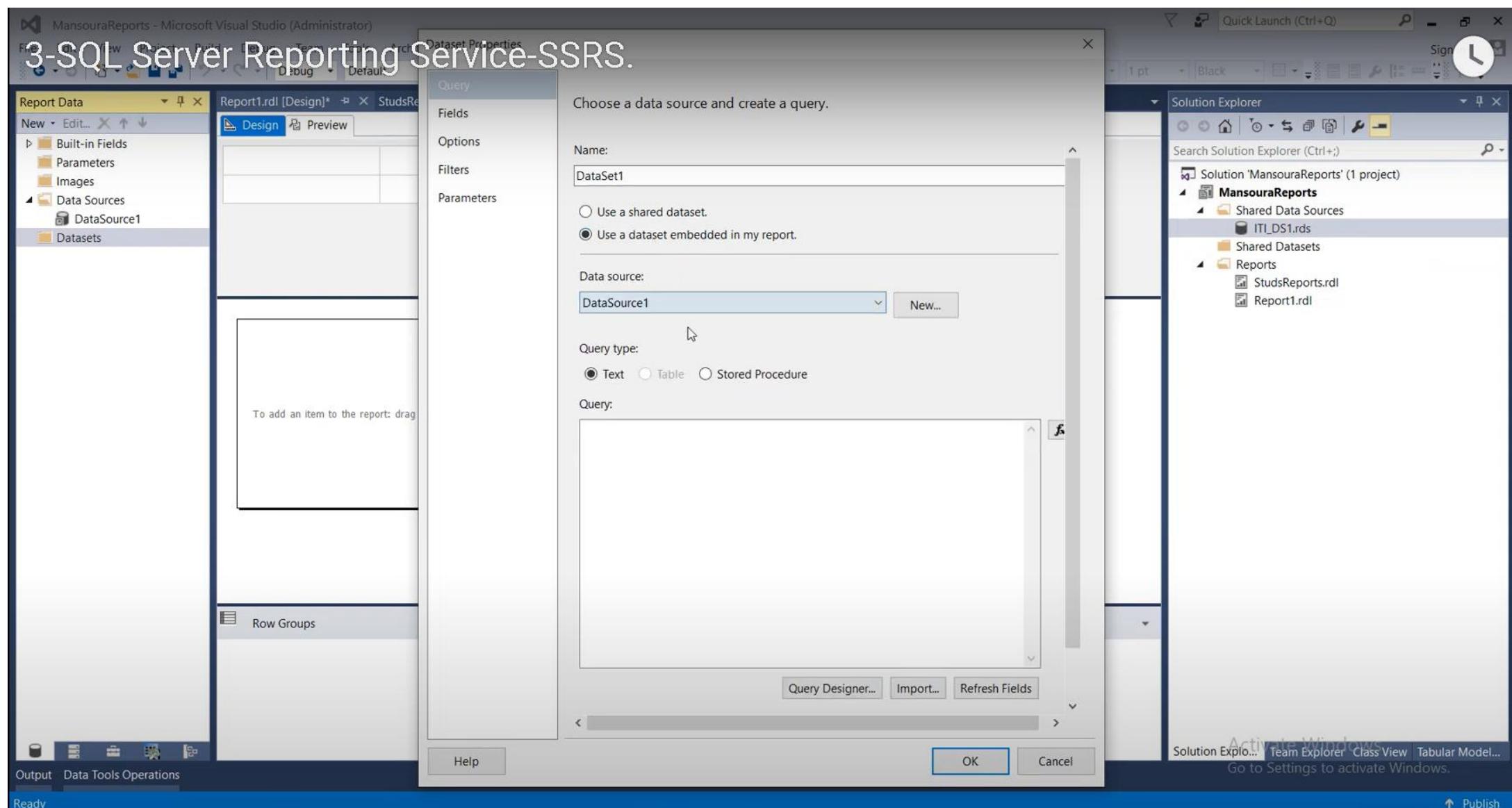
Quick Launch (Ctrl+Q) Sign in

1 pt Black

Solution Explor... Team Explorer Class View Tabular Model... Go to Settings to activate Windows. Publish



3-SQL Server Reporting Service-SSRS.



MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Archive

Report Data Report1.rdl [Design]* StudsRe...

New Edit... X Up Down Design Preview

Built-in Fields Parameters Images Data Sources DataSource1 Datasets

To add an item to the report: drag

Row Groups

Dataset Properties

Query Fields Options Filters Parameters

Choose a data source and create a query.

Name: DataSet1

Use a shared dataset.
 Use a dataset embedded in my report.

Data source: DataSource1 New...

Query type:
 Text Table Stored Procedure

Query:

Query Designer... Import... Refresh Fields

OK Cancel Help

Quick Launch (Ctrl+Q) Sign in

1 pt Black

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets

Reports

- StudsReports.rdl
- Report1.rdl

Activate Windows
Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model...
Output Data Tools Operations

Ready Publish

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Help

Report Data Report1.rdl [Design] * StudsRe... New Edit... Design Preview

Dataset Properties

Query Fields Options Filters Parameters

Choose a data source and create a query.

Name: DataSet1

Use a shared dataset.
 Use a dataset embedded in my report.

Data source: DataSource1 New...

Query type: Text Table Stored Procedure

Query:

```
select * from student
```

Query Designer... Import... Refresh Fields

OK Cancel

Solution Explorer

Search Solution Explorer (Ctrl+;) Sign in

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports
- StudsReports.rdl
- Report1.rdl

To add an item to the report: drag

Row Groups

Output Data Tools Operations

Ready

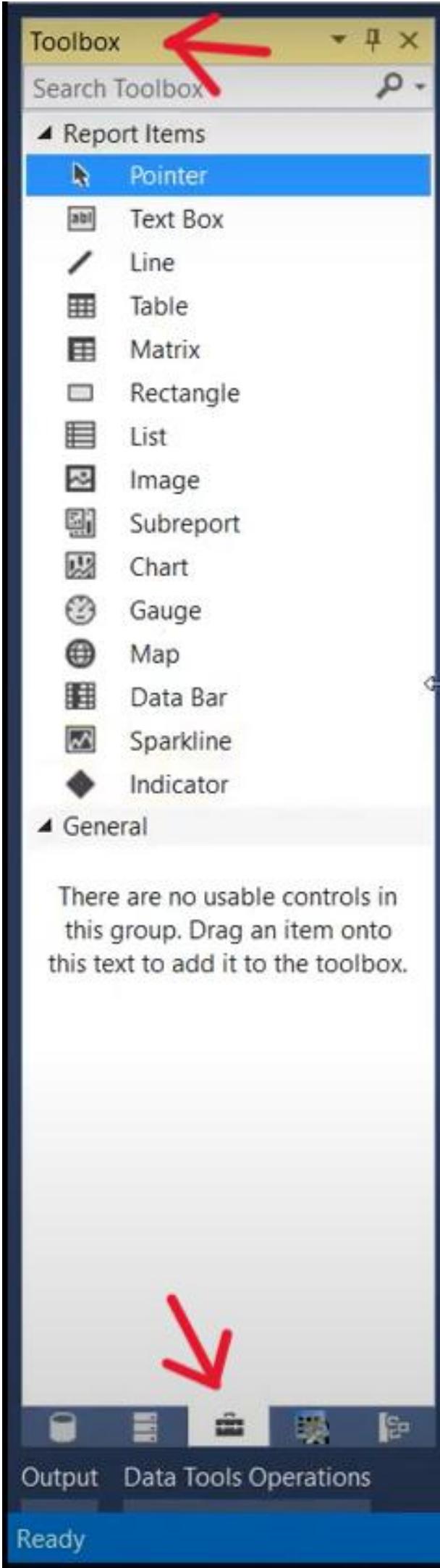
Activate Windows Go to Settings to activate Windows. Publish

Report Data

New ▾ Edit... X ↑ ↓

- ▷ Built-in Fields
- ▷ Parameters
- ▷ Images
- ◀ Data Sources
- DataSource1
- ◀ Datasets
- ◀ DataSet1
- St_Id
- St_Fname
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_super

Output Data Tools Operations



3- SQL Server Reporting Service-SSRS:

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Tools Analyze Window Help

Report Data Report1.rdl [Design]* StudsReports.rdl [Design]

Design Preview

Report1.rdl [Design] StudsReports.rdl [Design]

Report Data Report1.rdl [Design]* StudsReports.rdl [Design]

New Edit... X ↑ ↓

Built-in Fields Parameters Images

Data Sources Data Source1

Datasets

DataSet1

- St_Id
- St_Fname
- St_Lname
- St_Address
- St_Age
- Dept_Id
- St_super

Insert Column > Left Right

Delete Columns Column Visibility... Tablix Properties...

St Id St Fname St Lname

[St_Id] [St_Fname] [St_Lname]

Row Groups Column Groups

(Details)

Activate Windows
Solution Explorer Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

Rep... Serve... Tool... SSIS... SQL...

Output Data Tools Operations

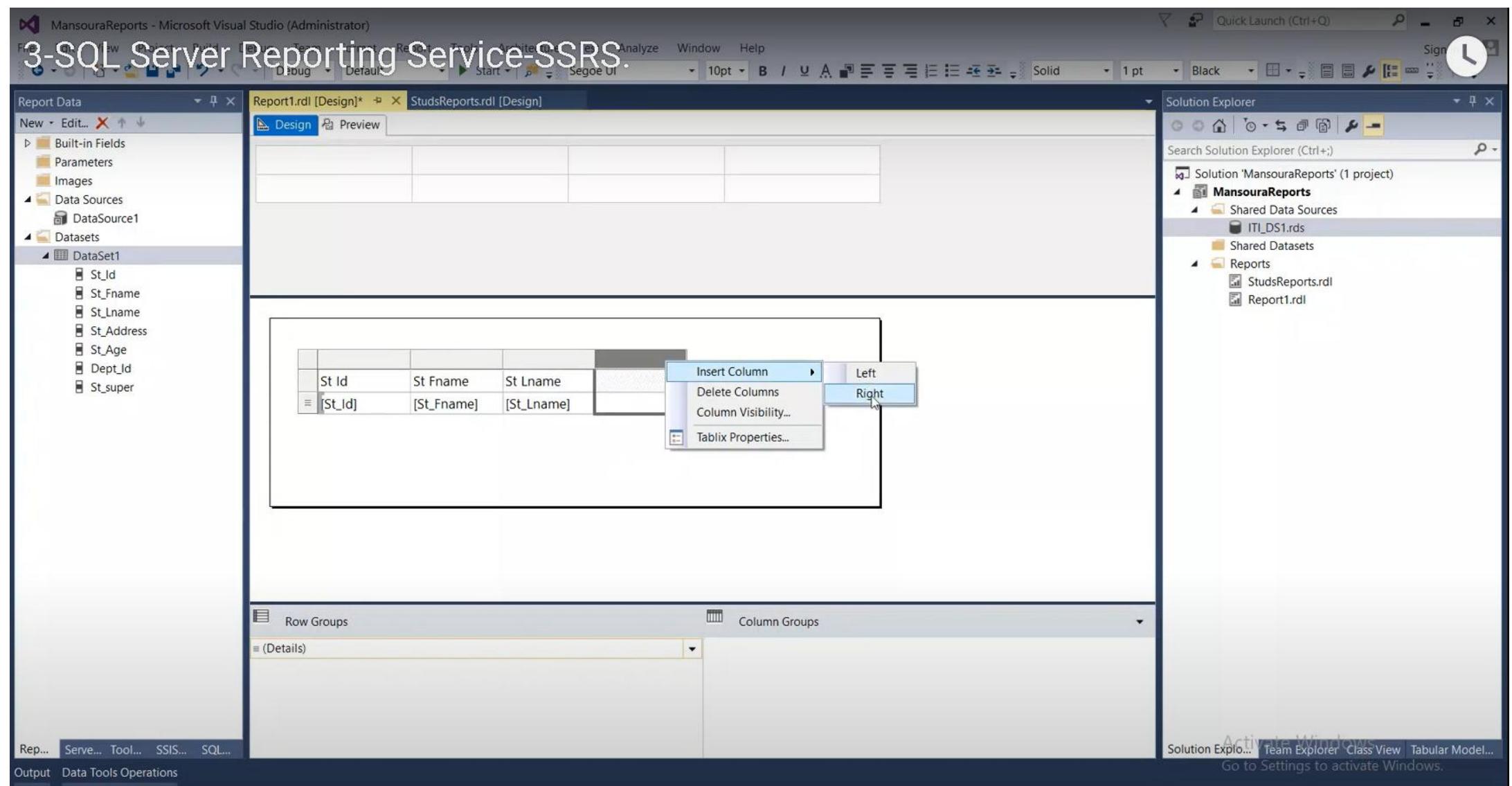
Ready Publish

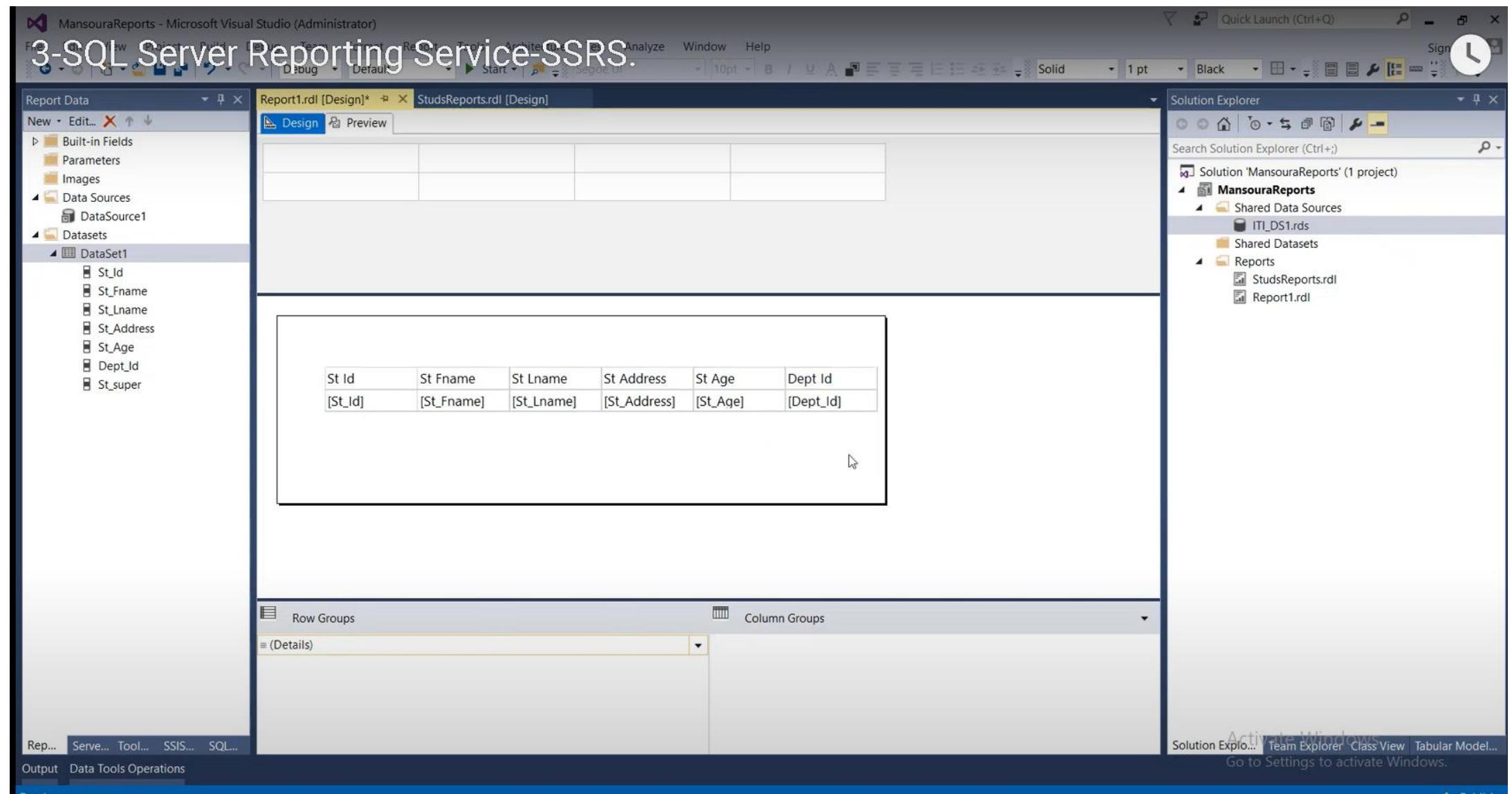
Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl





StudsReports

St Id	St Fname	St Lname	St Address	St Age	Dept Id	St super
1	Ahmed	Hassan	Cairo	20	10	
2	Amr	Magdy	Cairo	21	10	1
3	Mona	Saleh	Cairo	28	10	1
4		Mohamed	Alex	23	10	1
5		Moahmed	Alex	24	10	1
6	Heba	Farouk	Mansoura	25	20	
7	Ali	Hussien	Cairo	25	20	6
8			Alex	28	20	6
9	Saly	Ahmed	Mansoura	24	20	
10	Fady	Ali	Alex	24	20	9
11	mohamed ali	Ahmed	Cairo	24	20	9
12	Noha	Omar	Cairo	21	30	
13	Said			22	30	12
14	omar	Saleh	Tanta	22	30	
15	X			22	30	
16				25	30	
17	Y			25	30	
44				25	30	
100	omar					

Report Data

New Edit... X

Report1.rdl [Design] StudsReports.rdl [Design]

Design Preview

MansouraReports Property Pages

Configuration: Active(Debug) Platform: N/A Configuration Manager...

Configuration Properties General

Build
ErrorLevel 2
OutputPath bin\Debug

Debug
StartItem StudsReports.rdl

Deployment
OverwriteDatasets
OverwriteDataSources
TargetDatasetFolder
TargetDataSourceFolder
TargetReportFolder
TargetReportPartFolder
TargetServerURL
TargetServerVersion

StartItem
The report to execute when you start the debugger.

OK Cancel Apply

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

Shared Data Sources
ITI_DS1.rds

Shared Datasets

Report1.rdl

StudsReports.rdl

Report Parts

http://localhost/ReportServer

SQL Server 2016 or later

Row Groups

Column Groups

(Details)

Rep... Serve... Tool... SSIS... SQL...

Output Data Tools Operations

Activate Windows

Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

The screenshot shows the Microsoft Visual Studio interface with the 'MansouraReports' solution open. In the Solution Explorer, there is one project named 'MansouraReports' containing a shared data source 'ITI_DS1.rds' and a shared dataset. The 'StudsReports.rdl' report is currently selected. A 'Property Pages' dialog is displayed, focusing on the 'StartItem' configuration under the 'Debug' section. The 'StartItem' dropdown shows 'StudsReports.rdl' as the selected item. The report design view shows a simple table with three columns: St_Id, St_Fname, and St_Lname, each populated with the expression '[St_Id]'. The status bar at the bottom right indicates 'Activate Windows'.

The screenshot shows the Microsoft Visual Studio interface with the following windows open:

- Report Data**: Shows the structure of the report. It includes sections for Built-in Fields, Parameters, Images, Data Sources (DataSource1), Datasets (DataSet1 containing fields: St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id, St_super), and Reports (StudsReports.rdl, Report1.rdl).
- Solution Explorer**: Displays the solution structure. The 'MansouraReports' project contains a Shared Data Source 'ITI_DS1.rds', a Shared Dataset 'ITI_DS1.rds', and Reports 'StudsReports.rdl' and 'Report1.rdl'.
- Design** tab in the main window: Shows a table structure with columns: St Id, St Fname, St Lname, St Address, St Age, and Dept Id. The cells contain expressions like [St_Id], [St_Fname], etc.
- Output**: Shows the build and deployment logs. Key entries include:
 - Show output from: Build
 - Build started: Project: MansouraReports, Configuration: Debug
 - Skipping 'ITI_DS1.rds'. Item is up to date.
 - Skipping 'StudsReports.rdl'. Item is up to date.
 - Skipping 'Report1.rdl'. Item is up to date.
 - Build complete -- 0 errors, 0 warnings
 - Deploy started: Project: MansouraReports, Configuration: Debug
 - Deploying to <http://localhost/ReportServer>
 - Deploying data source '/Data Sources/ITI_DS1'.
 - Warning : Cannot deploy data source ITI_DS1 to the server because it already exists and OverwriteDataSources is not specified.
 - Deploying report '/MansouraReports/StudsReports'.
 - Deploying report '/MansouraReports/Report1'.
 - Deploy complete -- 0 errors, 1 Warnings
 - Build: 1 succeeded or up-to-date, 0 failed, 0 skipped
 - Deploy: 1 succeeded, 0 failed, 0 skipped

The screenshot shows the Microsoft Visual Studio interface for report development. The main window displays the Report Designer for 'StudsReports.rdl'. A table is present on the report surface, with columns labeled 'Stud ID', 'FirstName', 'St Lname', 'St Address', 'St Age', and 'Dept Id'. The 'Stud ID' column header has a context menu open, with the 'Select' option highlighted. The Solution Explorer on the right shows the project 'MansouraReports' with files like 'ITI_DS1.rds', 'Report1.rdl', and 'StudsReports.rdl'. The bottom status bar includes links for 'Solution Explorer', 'Team Explorer', 'Class View', and 'Tabular Model...', along with a message to 'Activate Windows'.

Report Data

New Edit... X

Report1.rdl Design

Expression

Set expression for: Value

=Fields!St_Fname.Value

150 %

Category: Constants

Built-in Fields
Parameters
Fields (DataSet1)
Datasets
Variables
Operators
Common Functions

Item: <All>

No constants are available for this property.

Help OK Cancel

Report Data

New Edit... X

Report1.rdl Design

Report1.rdl

Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

MansouraReports

Shared Data Sources

ITI_DS1.rds

Shared Datasets

Reports

StudsReports.rdl

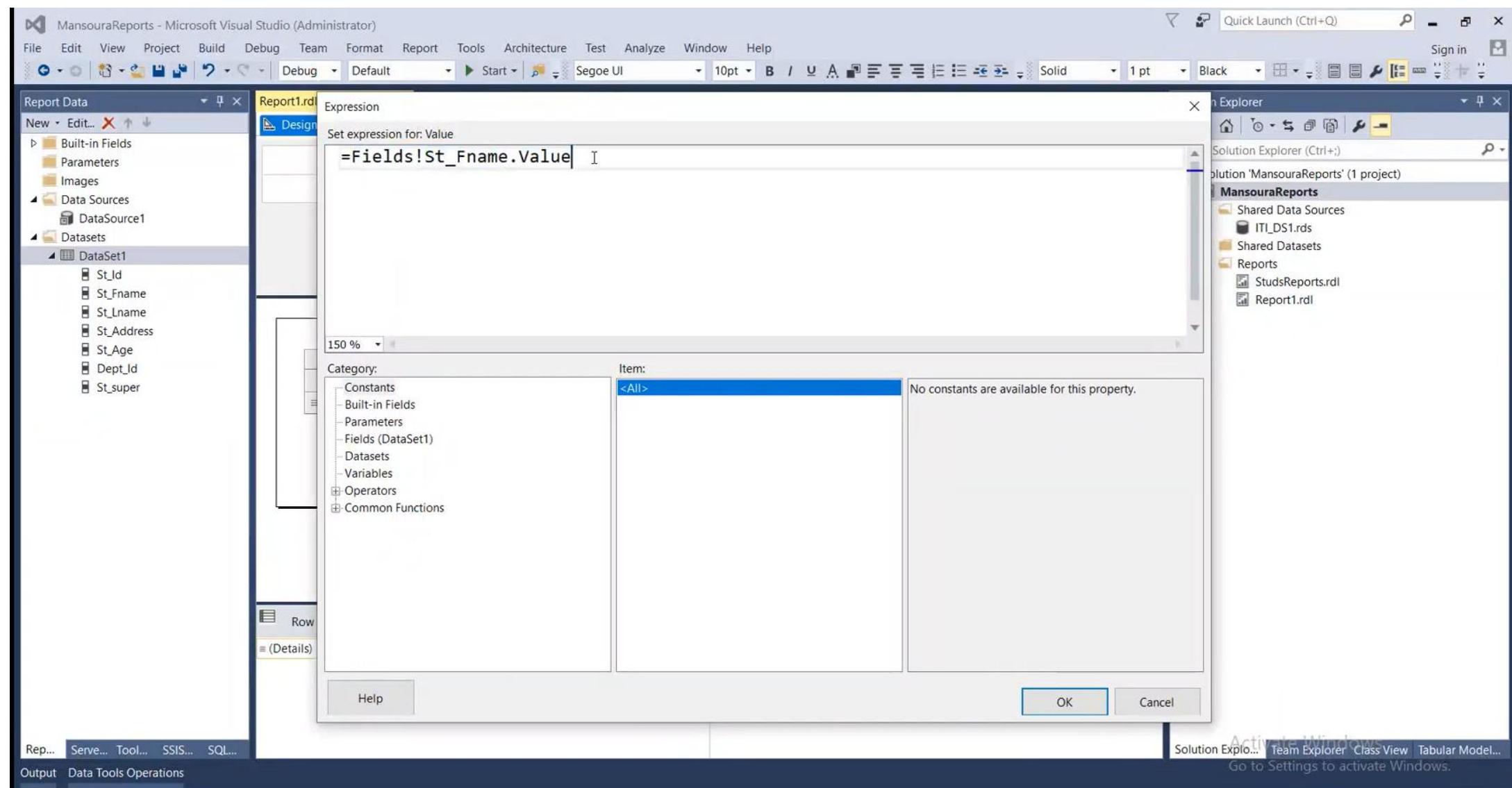
Report1.rdl

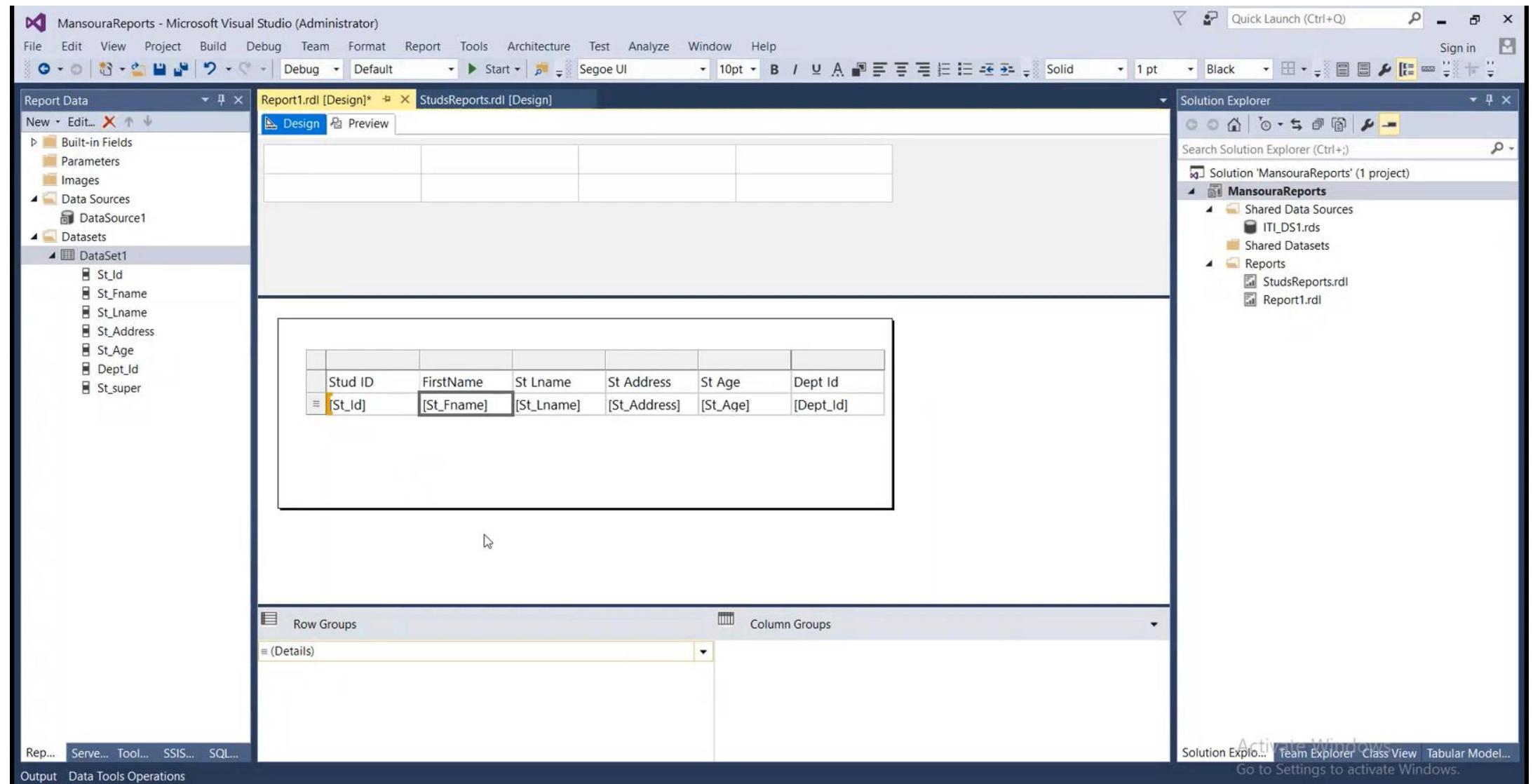
Rep... Serve... Tool... SSIS... SQL...

Output Data Tools Operations

Activate Windows
Go to Settings to activate Windows.

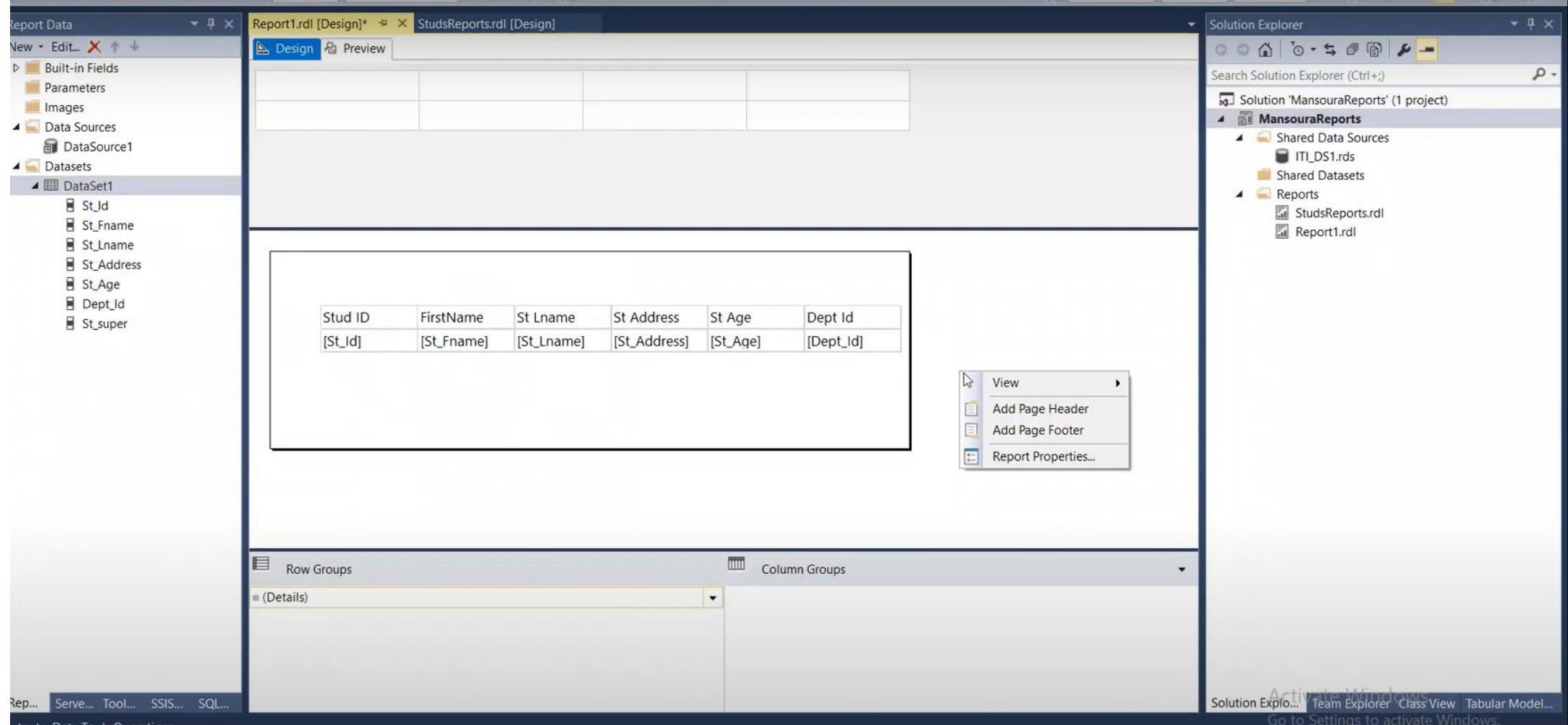
Solution Explorer Team Explorer Class View Tabular Model...





MansouraReports - Microsoft Visual Studio (Administrator)

3-SQL Server Reporting Service-SSRS



Design Report

To add an item to the page header: add an item to the report and then drag it here.

Stud ID	FirstName	St Lname	St Address	St Age	Dept Id
[St_Id]	[St_Fname]	[St_Lname]	[St_Address]	[St_Age]	[Dept_Id]

To add an item to the page footer: add an item to the report and then drag it here.

Row Groups Column Groups

(Details)

Report Tools Output Data Tools Operations

Activate Windows
Go to Settings to activate Windows.

Toolbox

Search Toolbox

Report Items

- Pointer
- Text Box
- Line
- Table
- Matrix
- Rectangle
- List
- Image
- Subreport
- Chart
- Gauge
- Map
- Data Bar
- Sparkline
- Indicator

General

There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

Solution Explorer

Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Repo... Serve... Tool... SSIS... SQL...

Solution Explorer Team Explorer Class View Tabular Model...
Go to Settings to activate Windows.

Screenshot of the Microsoft Visual Studio IDE showing the Report Designer interface.

The main window displays the "Report1.rdl [Design]" tab. A tooltip for "Image" is visible in the toolbox. The report design area contains a table with two rows and two columns. The first row has a single cell containing the text "ITI Mansoura". The second row contains two cells labeled "Stud ID" and "FirstName" with expressions "[St_Id]" and "[St_Fname]" respectively.

A modal dialog titled "Image Properties" is open, showing the "General" tab. It includes fields for "Name" (set to "Image1"), "ToolTip" (empty), and "Select the image source:" dropdown (set to "Embedded").

The Solution Explorer on the right shows a project named "MansouraReports" with files "ITI_DS1.rds", "StudsReports.rdl", and "Report1.rdl".

Bottom navigation bar: Repo... Serve... Tool... SSIS... SQL... Output Data Tools Operations

Bottom right: Active Windows Go to Settings to activate Windows. Publish

MansouraReports - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Format Report Tools Architecture Test Analyze Window Help

Toolbox

Report Items

- Pointer
- Text Box
- Line
- Table
- Matrix
- Rectangle
- List
- Image
- Subreport
- Chart
- Gauge
- Map
- Data Bar
- Sparkline
- Indicator

General

There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

Report1.rdl [Design] * StudsReports.rdl [Design]

Design Preview

Image Properties

General

Name: Image1

ToolTip:

Select the image source:

- Embedded
- External
- Embedded
- Database

To add an item to the page

Help OK Cancel

Row Groups Column Groups

(Details)

Solid 1 pt Black

Solution Explorer

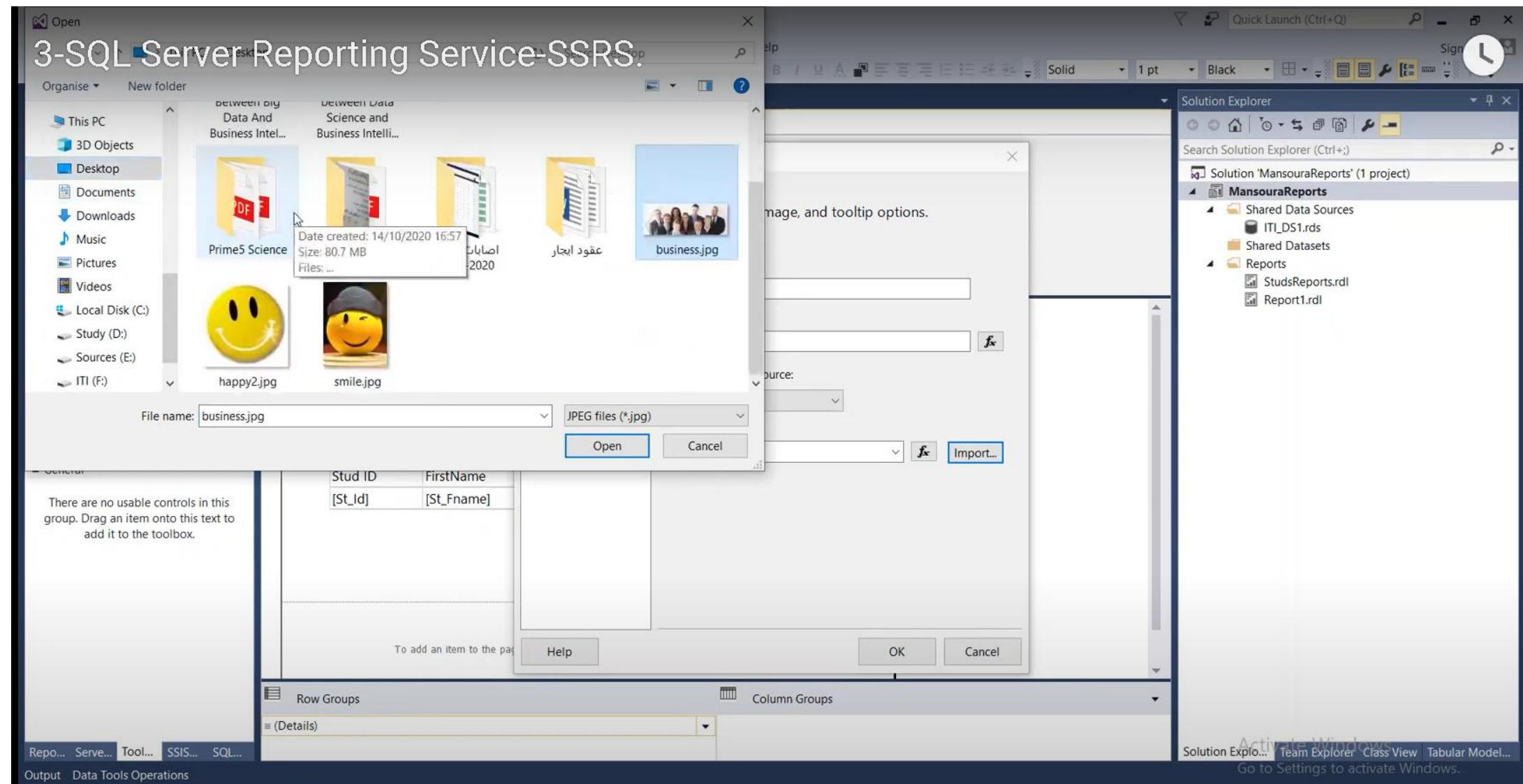
Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Go to Settings to activate Windows.

Repo... Serve... Tool... SSIS... SQL...
Output Data Tools Operations



Toolbox

Report Items

- Pointer
- Text Box
- Line
- Table
- Matrix
- Rectangle
- List
- Image
- Subreport
- Chart
- Gauge
- Map
- Data Bar
- Sparkline
- Indicator

General

There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

Report1.rdl [Design] * X StudsReports.rdl [Design]

Design Preview

Image Properties

General

Change name, image, and tooltip options.

Name: Image1

ToolTip:

Select the image source:

Embedded

Use this image:

business Import...

To add an item to the page, drag it from the toolbox.

Help OK Cancel

Row Groups Column Groups

= (Details)

Repo... Serve... Tool... SSIS... SQL... Output Data Tools Operations

Solution Explorer

Search Solution Explorer (Ctrl+;)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
- ITI_DS1.rds
- Shared Datasets
- Reports
- StudsReports.rdl
- Report1.rdl

Activite... Home Team Explorer Class View Tabular Model... Go to Settings to activate Windows. Publish

3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

Report Data Report1.rdl [Design]* StudsReports.rdl [Design]

File Edit View Tools Report Analyze Window Help

10pt B I U A Solid 1 pt Black

Report Data Report1.rdl [Design] StudsReports.rdl [Design]

Design Preview

Built-in Fields

- Execution Time
- Language
- Overall Page Number
- Overall Total Pages
- Page Name
- Page Number
- Render Format IsInteractive
- Render Format Name
- Report Folder
- Report Name
- Report Server URL
- Total Pages
- User ID

Parameters

Images

Data Sources

- DataSource1

Datasets

- DataSet1
 - St_Id
 - St_Fname
 - St_Lname
 - St_Address
 - St_Age
 - Dept_Id
 - St_super

Report1.rdl [Design]

StudsReports.rdl [Design]

ITI Mansoura

[&UserID] [&ExecutionTir]

Row Groups Column Groups

(Details)

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Activate Windows
Go to Settings to activate Windows.

Rep... Serve... Tool... SSIS... SQL...
Output Data Tools Operations

3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

File New Team Report Tools Analyze Window Help

Report Data Report1.rdl [Design]* StudsReports.rdl [Design]

Design Preview

Built-in Fields

- Execution Time
- Language
- Overall Page Number
- Overall Total Pages
- Page Name
- Page Number
- Render Format IsInteractive
- Render Format Name
- Report Folder
- Report Name
- Report Server URL
- Total Pages
- User ID

Parameters

Images

Data Sources

- DataSource1

Datasets

- DataSet1
 - St_Id
 - St_Fname
 - St_Lname
 - St_Address
 - St_Age
 - Dept_Id
 - St_super

Report1.rdl [Design] StudsReports.rdl [Design]

ITI Mansoura

Stud ID	FirstName	St Lname	St Address	St Age	Dept Id
[St_Id]	[St_Fname]	[St_Lname]	[St_Address]	[St_Age]	[Dept_Id]

[&UserID] [&ExecutionTir] [&PageNumber]

Row Groups Column Groups

(Details)

Solution Explorer Search Solution Explorer (Ctrl+.)

Solution 'MansouraReports' (1 project)

- MansouraReports
 - Shared Data Sources
 - ITI_DS1.rds
 - Shared Datasets
 - Reports
 - StudsReports.rdl
 - Report1.rdl

Rep... Serve... Tool... SSIS... SQL...

Output Data Tools Operations

Activate Windows Go to Settings to activate Windows.

Solution Explorer Team Explorer Class View Tabular Model...

3-SQLServer Reporting Service-SSRS.

|< < 1 of 1 > > | 100% | Find | Next

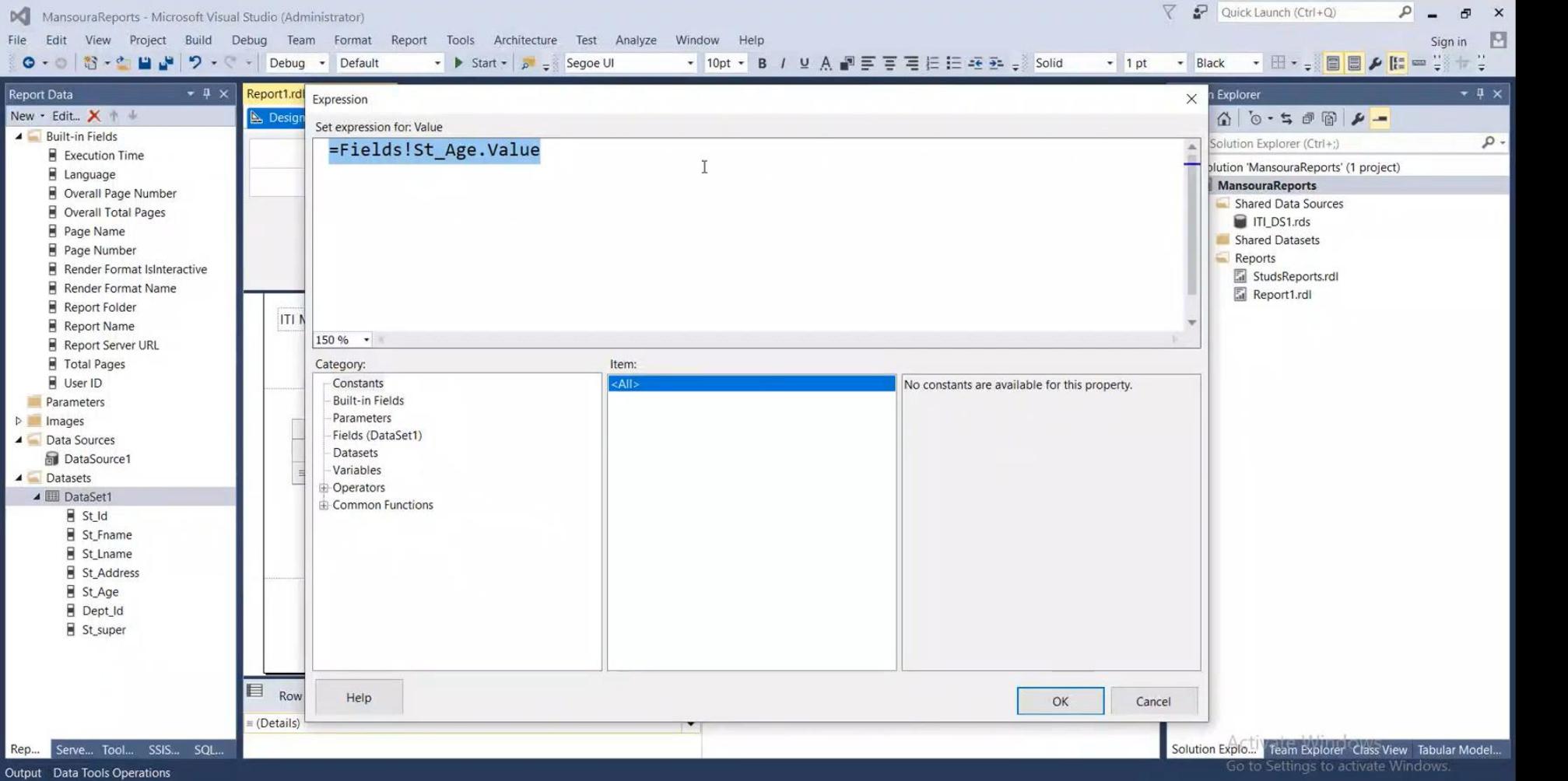
ITI Mansoura

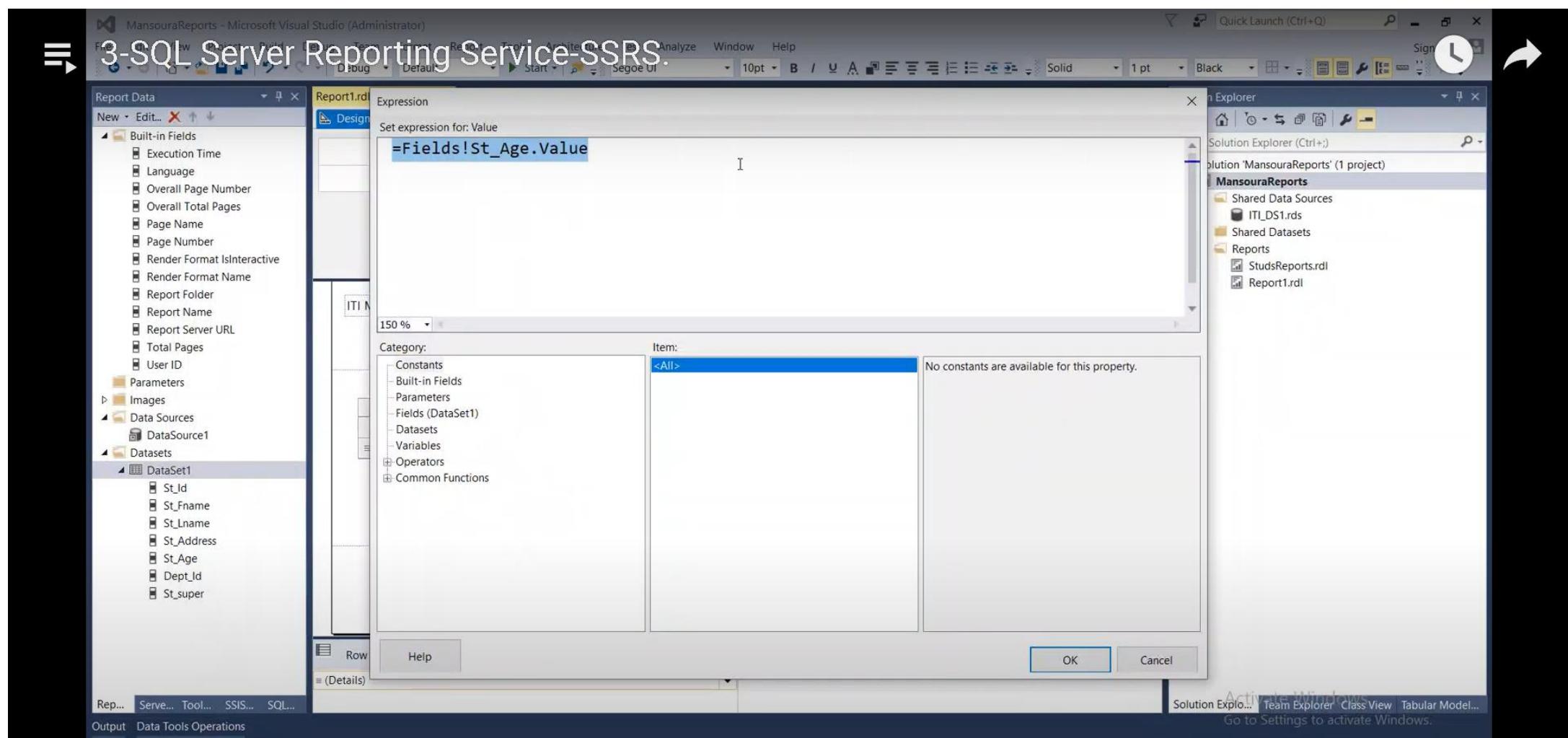


Stud ID	FirstName	St Lname	St Address	St Age	Dept Id
1	Ahmed	Hassan	Cairo	20	10
2	Amr	Magdy	Cairo	21	10
3	Mona	Saleh	Cairo	28	10
4		Mohamed	Alex	23	10
5		Moahmed	Alex	24	10
6	Heba	Farouk	Mansoura	25	20
7	Ali	Hussien	Cairo	25	20
8			Alex	28	20
9	Saly	Ahmed	Mansoura	24	20
10	Fady	Ali	Alex	24	20
11	mohamed ali	Ahmed	Cairo	24	20
12	Noha	Omar	Cairo	21	30
13	Said			22	30
14	omar	Saleh	Tanta	22	30
15	X			22	30
16				25	30
17	Y			25	30
44				25	30
100	omar				

Activate Windows

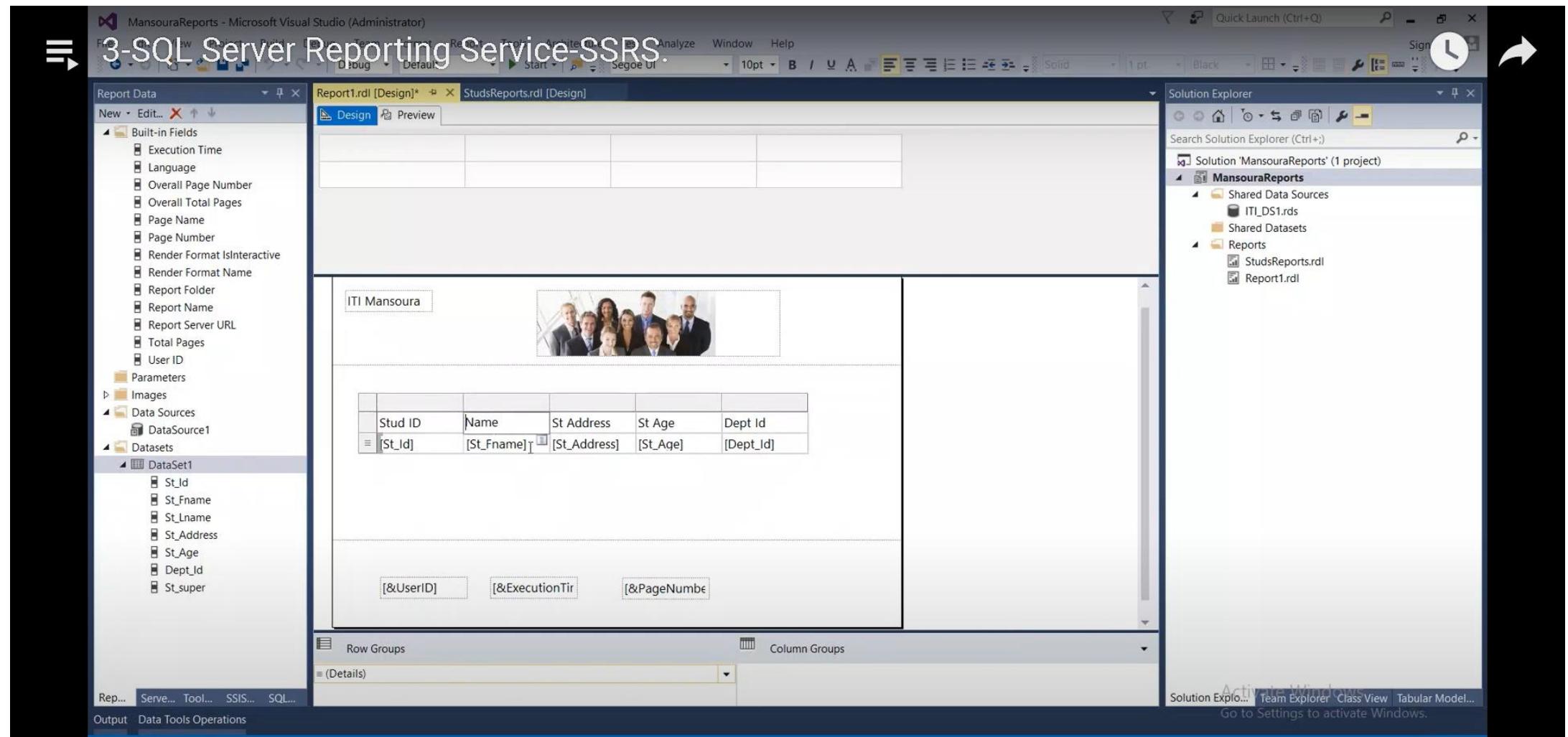
Go to Settings to activate Windows.





3-SQL Server Reporting Service-SSRS.

The screenshot shows the Microsoft Visual Studio interface for developing SQL Server Reporting Services (SSRS) reports. The main window displays the 'Report1.rdl [Design]' view, which contains a report header with a placeholder 'ITI Mansoura' and a group of people image, followed by a table with columns: Stud ID, FirstName, St Lname, Age, and Dept Id. A context menu is open over the 'St Lname' column, showing options like 'Insert Column', 'Delete Columns', 'Column Visibility...', and 'Tablix Properties...'. The left sidebar shows the 'Report Data' pane with built-in fields, parameters, images, data sources, and datasets. The 'DataSet1' dataset is selected, listing fields such as St_Id, St_Fname, St_Lname, St_Address, St_Age, Dept_Id, and St_super. The right sidebar shows the 'Solution Explorer' with the project 'MansouraReports' containing a solution file, a shared data source 'ITI_DS1.rds', a shared dataset, and two reports: 'StudsReports.rdl' and 'Report1.rdl'. The bottom navigation bar includes links for Report, Serve..., Tool..., SSIS..., SQL..., Output, Data Tools Operations, and a 'Activate Windows' link.





3-SQL Server Reporting Service-SSRS.

Report Data New Edit... Design

Set expression for: Value

=Fields!St_Fname.Value & Fields!St_Lname.Value

Category: Item: Values:

DataSet1

DataSet1

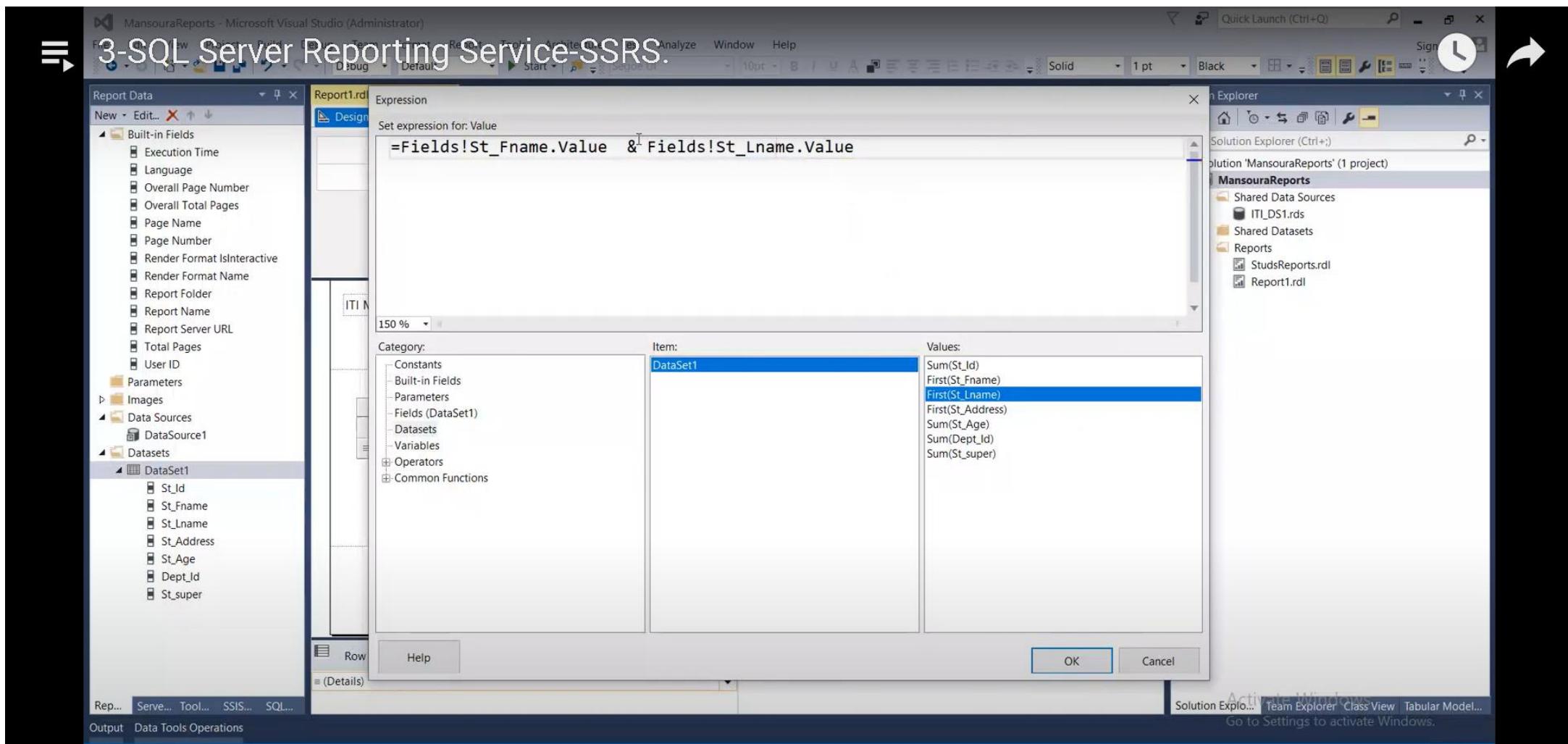
Sum(St_Id)
First(St_Fname)
First(St_Lname)
First(St_Address)
Sum(St_Age)
Sum(Dept_Id)
Sum(St_super)

OK Cancel

Report... Serve... Tool... SSIS... SQL... Output Data Tools Operations

Solution Explorer (Ctrl+Alt+S) Solution 'MansouraReports' (1 project) MansouraReports Shared Data Sources ITI_DS1.rds Shared Datasets Reports StudsReports.rdl Report1.rdl

Activate Windows Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.





3-SQL Server Reporting Service SSRS.

Report Data New Edit... X

Built-in Fields

- Execution Time
- Language
- Overall Page Number
- Overall Total Pages
- Page Name
- Page Number
- Render Format IsInteractive
- Render Format Name
- Report Folder
- Report Name
- Report Server URL
- Total Pages
- User ID

Parameters

Images

Data Sources

- DataSource1

Datasets

- DataSet1
 - St_Id
 - St_Fname
 - St_Lname
 - St_Address
 - St_Age
 - Dept_Id
 - St_Super

Report1.rdl

Design

Expression

Set expression for: Value

=Fields!St_Fname.Value & " " & Fields!St_Lname.Value

150 %

Category:

- Constants
- Built-in Fields
- Parameters
- Fields (DataSet1)
- Datasets
- Variables
- Operators
- Common Functions

Item: DataSet1

Values:

- Sum(St_Id)
- First(St_Fname)
- First(St_Lname)
- First(St_Address)
- Sum(St_Age)
- Sum(Dept_Id)
- Sum(St_Super)

Row Help OK Cancel

Output Data Tools Operations

Solution Explorer (Ctrl+;) Solution 'MansouraReports' (1 project) MansouraReports Shared Data Sources ITI_DS1.rds Shared Datasets Reports StudsReports.rdl Report1.rdl

Activate Windows Solution Explorer Team Explorer Class View Tabular Model... Go to Settings to activate Windows.

3-SQL Server Reporting Service-SSRS.

MansouraReports - Microsoft Visual Studio (Administrator)

Report Data Report1.rdl [Design] StudsReports.rdl [Design]

Design Preview

ITI Mansoura

Stud ID Name St Address St Age Dept Id

Solution Explorer

Search Solution Explorer (Ctrl+Shift+F)

Solution 'MansouraReports' (1 project)

MansouraReports

- Shared Data Sources
ITI_DS1.rds
- Shared Datasets
- Reports
StudsReports.rdl
Report1.rdl

Output

```
Show output from: Build
----- Build started: Project: MansouraReports, Configuration: Debug -----
Skipping 'ITI_DS1.rds'. Item is up to date.
Skipping 'StudsReports.rdl'. Item is up to date.
Building the report, Report1.rdl, for SQL Server 2016 Reporting Services.
Build complete -- 0 errors, 0 warnings
----- Deploy started: Project: MansouraReports, Configuration: Debug -----
Deploying to http://localhost/ReportServer
Deploying data source '/Data Sources/ITI_DS1'.
Warning : Cannot deploy data source ITI_DS1 to the server because it already exists and OverwriteDataSources is not specified.
Deploying report '/MansouraReports/StudsReports'.
Deploying report '/MansouraReports/Report1'.
Deploy complete -- 0 errors, 1 warnings
----- Build: 1 succeeded or up-to-date, 0 failed, 0 skipped -----
----- Deploy: 1 succeeded, 0 failed, 0 skipped -----
```

Activate Windows
Go to Settings to activate Windows