**SSRS Lab - 7**

**Introduction**

Choose the Northwind database for this assignment.

**Creating a Database**

**Step 1: Open SSMS and Connect to a Data Engine**

1. Launch SQL Server Management Studio (SSMS).

2. Connect to the desired data engine by providing valid server credentials.

A screenshot of a computer

Description automatically generated

**Step 2: Restore Database**

1. Right-click on "Databases" in the Object Explorer.

2. Select the "Restore Database" option.

A screenshot of a computer

Description automatically generated

**Step 3: Restore Database from Device**

1. Choose the "Device" option.

2. Locate and move the locally stored database to the specified file path.

3. Select the database file and click "OK."

A screenshot of a computer

Description automatically generated

4. The file you have selected should appear here, click “OK”.

A screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated

5. The added database should now appear in the "Databases" section.

A screenshot of a computer

Description automatically generated

**Building a Report**

**Step 4: Open the project .sln file from Lab - 1**

1. Follow the steps to create a new report.

A screenshot of a computer

Description automatically generated

**Step 5: Configure Data Sources**

1. Name your “Data source” and click "Edit" to configure the connection.

A screenshot of a computer

Description automatically generated

2. Specify the Server name.

3. Select the database you added in SSMS.

A screenshot of a computer

Description automatically generated

4. Click "OK" to save the data source.

A screenshot of a computer

Description automatically generated

**Step 6: Create Datasets and define Query**

1. Click on “Next” to open the query builder.

A screenshot of a computer

Description automatically generated

2. You can click on “query builder” and add the tables and columns or mention the query in the query string area.

This query is based on the report requirements.

A screenshot of a computer screen

Description automatically generated

**Step 7: Completing the Wizard**

1. Click on “Next” until you see this page and rename the report name to “Rpt\_Customers\_GroupedByCountry”.

A screenshot of a computer screen

Description automatically generated

2. You should see something like this

A screenshot of a computer

Description automatically generated

3. Add group on company name

A screenshot of a computer

Description automatically generated

4. group by country

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

5. add another column to count the number of companies in each country

A screenshot of a computer

Description automatically generated

Use the expression : =Count(Fields!CompanyName.Value)

**Step 8: Insert Rows/Columns**

1. To insert rows or columns, right-click on a cell, go to "Insert Row" or "Insert Column."

**Step 9: Beautify the Report**

1. Enhance the report's appearance by adjusting fonts, colors, and formatting, similar to Excel.

**Step 10: Finalize Report Design**

1. Once the report design is complete, save your work.

**Step 11: View your Report.**

1. Click the "Preview Report" button located in the top-left corner below the "File" menu.

2. Your report will be displayed with the data you configured.

A screenshot of a computer

Description automatically generated

You can go back to make changes by clicking on “Design”