

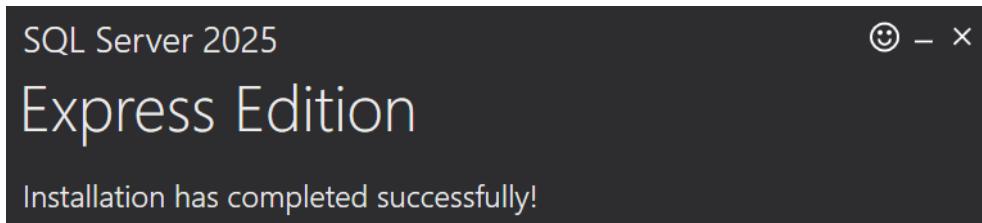
Lab 4

CPS 3330*01

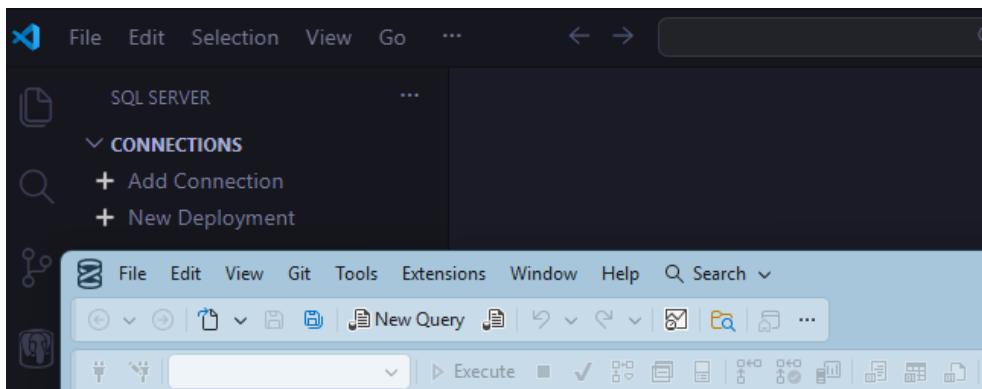
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Github Link: <https://github.com/PalmaL22/Lab4>

Task 1:



Task 2 – since azure data studio is being removed, we used the visual studio code extension to facilitate the download. Image also shows the installation of SSMS:



Task 3 – SQL Query showing our names on the created database:

A screenshot of SQL Server Management Studio (SSMS) showing a query results grid. The top pane contains a SQL query: "SELECT TOP (1000) [UserID], [UserName], [UserEmail] FROM [Users].[dbo].[LPalmaTable]". The bottom pane shows the results of the query in a table format:

	UserID	UserName	UserEmail
1	1	lpalma	palmal@kean.edu
2	2	monsalvof	monsalvof@kean.edu

Task 4 – Query test with the custom login that we created. Color red successful query message for the user “lpalma” which is our custom user

The screenshot shows the Object Explorer on the left with a connection to 'THEBIGDROPSPC\SQLEXPRESS'. In the center, a query window titled 'SQLQuery1.s...lpalma (90)*' contains the following code:

```
1 USE Users;
2 SELECT * FROM LPalmaTable;
```

The results pane shows a table with two rows:

	UserID	UserName	UserEmail
1	1	lpalma	palmal@kean.edu
2	2	monsalvof	monsalvof@kean.edu

A status bar at the bottom indicates: 'Query executed successfully.' and 'THEBIGDROPSPC\SQLEXPRESS (1...) | lpalma (90) | Users | 00:00:00 | Row: 1, Col: 1 | 2 rows'.

Task 5 – Testing SQL server connection on VS code with SQL server authentication on the lpalma user

The screenshot shows the VS Code interface with the 'SQL SERVER' extension open. The 'CONNECTIONS' sidebar shows a connection to 'THEBIGDROPSPC\SQLEXPRESS'. The 'QUERIES' tab displays the same query as in SSMS:

```
1 USE Users;
2 SELECT * FROM LPalmaTable;
```

The 'RESULTS' tab shows the same table data as in SSMS:

	UserID	UserName	UserEmail
1	1	lpalma	palmal@kean.edu
2	2	monsalvof	monsalvof@kean.edu

Task 6 – VSC code picture and database proof (no VS picture because we used mac for most the assignment)

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

- Code Editor:** The main pane displays `Program.cs` with C# code for connecting to a SQL Server and inserting data into a table.
- Terminal:** Shows the command `dotnet run` being executed from the path `C:\Users\luisa\OneDrive\Documents\New Workshop\Lab4Net>`. The output includes the connection message "Connected to SQL Server" and the inserted data: "1 lpalma palmal@kean.edu" and "2 monsalvof monsalvof@kean.edu".
- SQL Query Results:** A separate window titled "SQLQuery2.sq...lpalma (68)" shows the following SQL query and its results:

```
1 SELECT TOP (1000) [UserID]
2 , [UserName]
3 , [UserEmail]
4 FROM [Users].[dbo].[LPalmaTable]
```

	UserID	UserName	UserEmail
1	1	lpalma	palmal@kean.edu
2	2	monsalvof	monsalvof@kean.edu
3	3	Jo	jo@email.com

Scaffold command to create model classes and dbcontext from an existing database:

The screenshot shows the Visual Studio interface. On the left, the Explorer tab displays the project structure under 'MONSALVOPALMA'. It includes 'bin', 'Controllers', 'Models' (which contains 'ErrorViewModel.cs', 'LpalmaTable.cs', and 'UsersContext.cs'), 'obj', 'Properties', and 'Views'. In the center, the code editor window is open to 'LpalmaTable.cs'. The code is as follows:

```
1  using System;
2  using System.Collections.Generic;
3
4  namespace MonsalvoPalma.Models;
5
6  public partial class LpalmaTable
7  {
8      public int UserId { get; set; }
9
10     public string? UserName { get; set; }
11
12     public string? UserEmail { get; set; }
13 }
```

Task 7 – MVC Creation and progress:

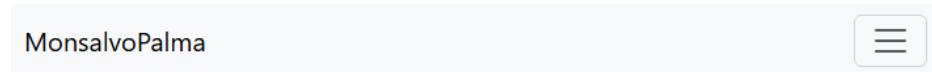
Original design:

MonsalvoPalma Home Privacy

Users

ID	Name	Email
1	lpalma	palmal@kean.edu
2	monsalvof	monsalvof@kean.edu
3	Jo	jo@email.com

Front page:



Users page:

A screenshot of a web browser showing the "Users" page. The title bar says "MonsalvoPalma". On the right is a three-line menu icon. The main content area has a heading "Users". Below it is a link "[Website](#)". A table displays user data with an "Actions" column containing "Details", "Edit", and "Remove" buttons.

ID	Name	Email	Actions
1	lpalma	palmal@kean.edu	Details Edit Remove
2	monsalvof	monsalvof@kean.edu	Details Edit Remove
3	Jo	jo@email.com	Details Edit Remove