How to Fill ComboxBox with Data in VB.Net and SQL Server 2019

In this tutorial, I will teach you how to Fill a ComboBox with Data in VB.Net and SQL Server 2019. This method has the ability to retrieve the data in the sql server database and display it into the combobox. This is simple yet powerful method that you can do it in no time. Follow the step by step guide to know how it works.

I used Microsoft Visual Studio 2015 and SQL Server 2019 to develop this program.

Let’s Begin:

<h3>Creating Database</h3>

1. Install the <strong>MSSMS 2019</strong> on your machine.

2. Open the <strong> MSSMS 2019</strong> . After that, right click the database, then select “New Database” and name it “dbperson”

3. Do the following query to create a table in the database that you have created

<sql>

USE [dbperson]

GO

/\*\*\*\*\*\* Object: Table [dbo].[tblperson] Script Date: 11/10/2019 11:15:11 AM \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[tblperson](

[PersonID] [int] IDENTITY(1,1) NOT NULL,

[Fname] [nvarchar](50) NULL,

[Lname] [nvarchar](50) NULL

) ON [PRIMARY]

GO

</sql>

<h3>Creating Application</h3>

<h2>Step 1</h2>

Open <strong>Microsoft Visual Studio 2015 </strong>and create a new windows form application for visual basic.

<img src="https://www.sourcecodester.com/sites/default/files/creating\_application\_c\_3.png" width="600" height="400" alt="ps1" />

<h2>Step 2</h2>

Add two <strong>Textboxes</strong>, a button, and a <strong>DataGridview</strong> inside the Form. Then do the Form just like shown below.

<h2>Step 3</h2>

Press F7 to open the code editor. In the code editor, add a namespace to access <code>SQL Server</code> libraries.

<vb>

Imports System.Data.SqlClient

</vb>

<h2>Step 4</h2>

Create a connection between <strong>Visual Basic 2015 and SQL Server database</strong>. After that, declare and initialize all the classes and variables that are needed.

<vb>

Dim con As SqlConnection = New SqlConnection("Data Source=.\SQLEXPRESS;Database=dbperson;trusted\_connection=true;")

Dim cmd As SqlCommand

Dim da As SqlDataAdapter

Dim dt As DataTable

Dim sql As String

</vb>

<h2>Step 5</h2>

Create a method for <strong>filling data in the combobox in the database</strong>.

<vb>

Private Sub fillCombo(sql As String, cbo As ComboBox)

Try

con.Open()

cmd = New SqlCommand

da = New SqlDataAdapter

dt = New DataTable

With cmd

.Connection = con

.CommandText = sql

End With

With da

.SelectCommand = cmd

.Fill(dt)

End With

cbo.DataSource = dt

cbo.DisplayMember = dt.Columns(1).ColumnName

cbo.ValueMember = dt.Columns(0).ColumnName

Catch ex As Exception

MsgBox(ex.Message)

Finally

con.Close()

da.Dispose()

End Try

End Sub

</vb>

<h2>Step 6</h2>

Write the following codes to fill data in the combobox in the first load of the form.

<vb>

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

sql = "SELECT \* FROM tblperson"

fillCombo(sql, ComboBox1)

End Sub

</vb>

Output

The complete source code is included. You can download it and run it on your computer.

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Or feel free to comment below.