Practical No.6(a)

Problem Statement :- create a web application to bind data in a multiline textbox by querying in another textbox

Database project :

Web.config :

```
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->

<configuration>

    <system.web>
        <compilation debug="false" targetFramework="4.0" />
    </system.web>
  <connectionStrings>
    <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
  </connectionStrings>

</configuration>
```

Source code :

Practical6(a).aspx

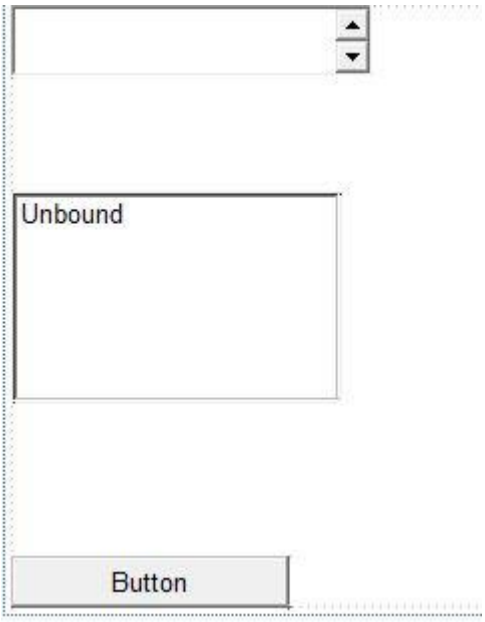
```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical6(a).aspx.cs"
Inherits="practical6_a_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>

      <asp:TextBox ID="TextBox1" runat="server" TextMode="MultiLine"></asp:TextBox>
      <br />
      <br />
      <br />
      <br />
      <asp:ListBox ID="ListBox1" runat="server" Height="106px"
         style="margin-bottom: 38px" Width="165px"></asp:ListBox>
      <br />
      <br />
      <br />
      <asp:Button ID="Button1" runat="server" onclick="Button1_Click" Text="Button"
         Width="139px" />

   </div>
   </form>
</body>
</html>
```

Practical6(a).aspx.cs

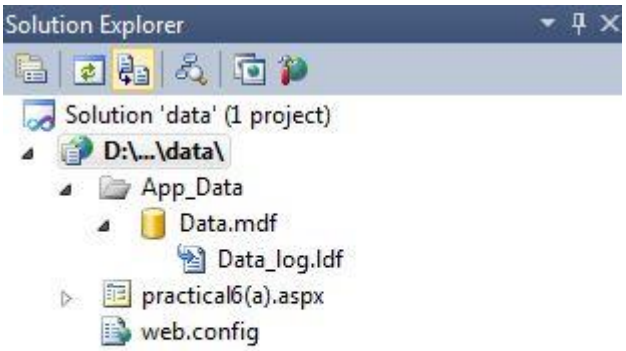
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
```

```
using System.Data.SqlClient;
using System.Configuration;

public partial class practical6_a_ : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        string connStr =
            ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        con.Open();
        SqlCommand cmd = new SqlCommand(TextBox1.Text, con);
        SqlDataReader reader = cmd.ExecuteReader();
        ListBox1.Items.Clear();
        while (reader.Read())
        {
            for (int i = 0; i < reader.FieldCount - 1; i++)
            {
                ListBox1.Items.Add(reader[i].ToString());
            }
        }
        reader.Close();
        con.Close();
    }
}
```

Design…..**practical6(a)** :

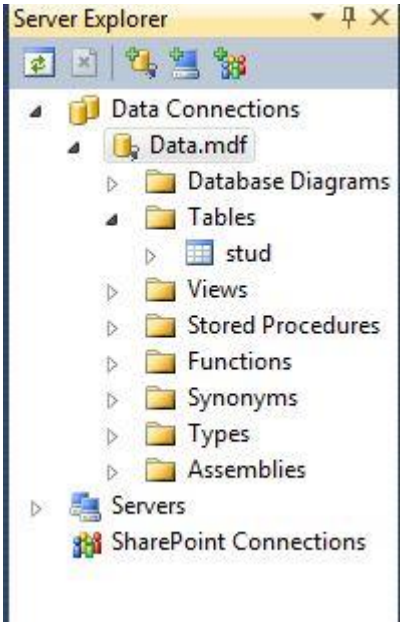


Solution Explorer : ..1)Data.mdf 2)Practical6(a).aspx 3)Practical6(a).aspx.cs

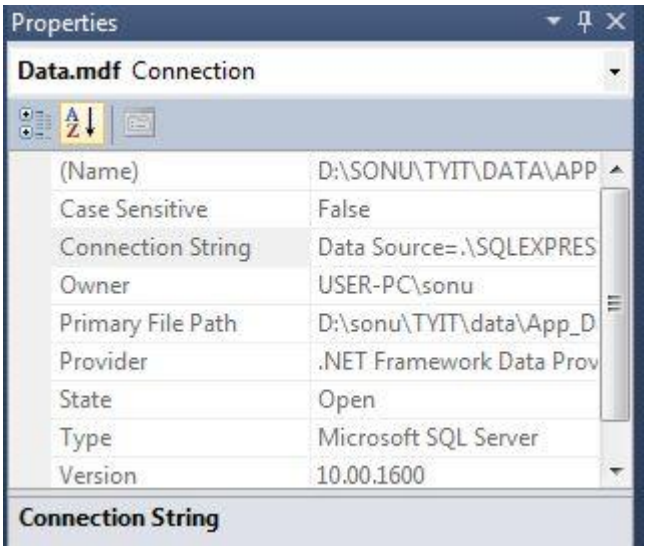


Connection :

Right click on **Data.mdf**



and go to property…and copy **connection String** and paste into **web.config**

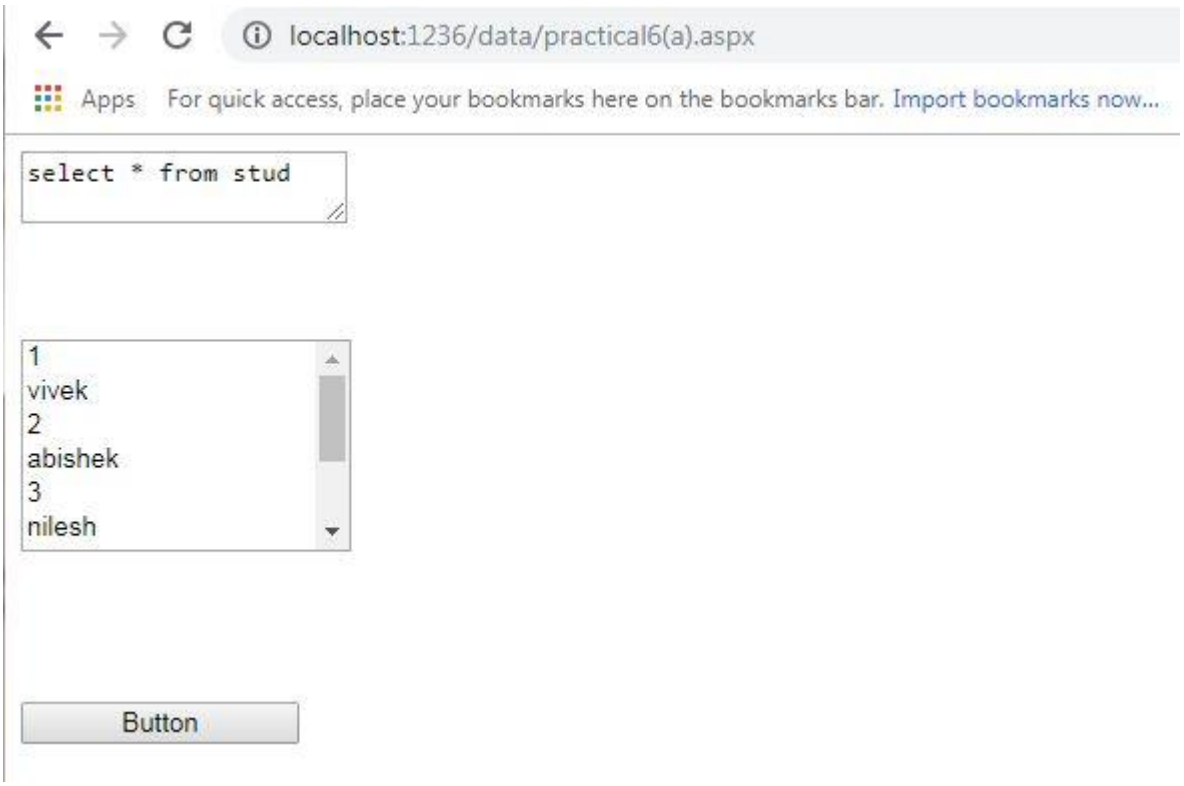


Create table :

Column Name	Data Type	Allow Nulls
sid	int	☐
sname	varchar(50)	☑
smarks	int	☑
		☐

	sid	sname	smarks
▶	1	vivek	86
	2	abishek	75
	3	nilesh	65
	4	ravi	87
	5	sandeep	76
*	*NULL*	*NULL*	*NULL*

Output :


localhost:1236/data/practical6(a).aspx
Apps
For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...
select * from stud
1
vivek
2
abishek
3
nilesh
Button

Practical No.6(b)

Note : As above practical6(a) we had create one database connection and table also using this one in further practica6(b)..and so on

Problem Statement :-Create a web application to display records by using database

Web.config:

```
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->

<configuration>

    <system.web>
        <compilation debug="false" targetFramework="4.0" />
    </system.web>
  <connectionStrings>
    <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
  </connectionStrings>

</configuration>
```

Source code :

practical6(b).aspx :

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical6(b).aspx.cs"
Inherits="practical6_b_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
```

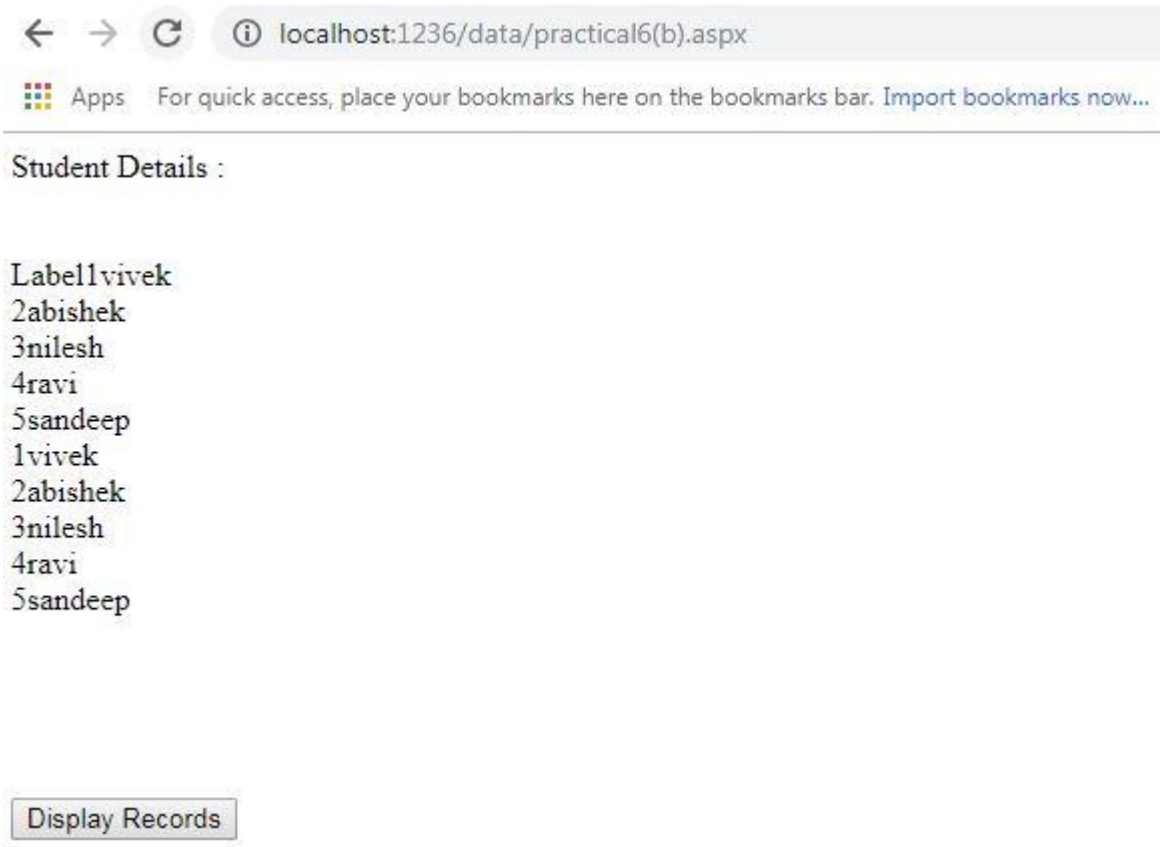
```
</head>
<body>
    <form id="form1" runat="server">
    <div>

        <asp:Label ID="Label1" runat="server" Text="Student Details :"></asp:Label>
        <br />
        <br />
        <br />
        <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
        <br />
        <br />
        <br />
        <br />
        <br />
        <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
            Text="Display Records" />

    </div>
    </form>
</body>
</html>
```

practical6(b).aspx.cs :

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class practical6_b_ : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        string connStr =
          ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);

        SqlCommand cmd = new SqlCommand("select sid,sname from stud", con);
        con.Open();
        SqlDataReader reader = cmd.ExecuteReader();

        while (reader.Read())
        {
            Label2.Text += reader["sid"].ToString() + "" + reader["sname"].ToString() + "<br>";
        }
        reader.Close();
        con.Close();
    }
}
```

Design..Pactical6(b) :

Output :



Practical No .6(c)

Problem Statement :- Demonstrate the use of Datalist link control.

Source code :

practical6(c).aspx :

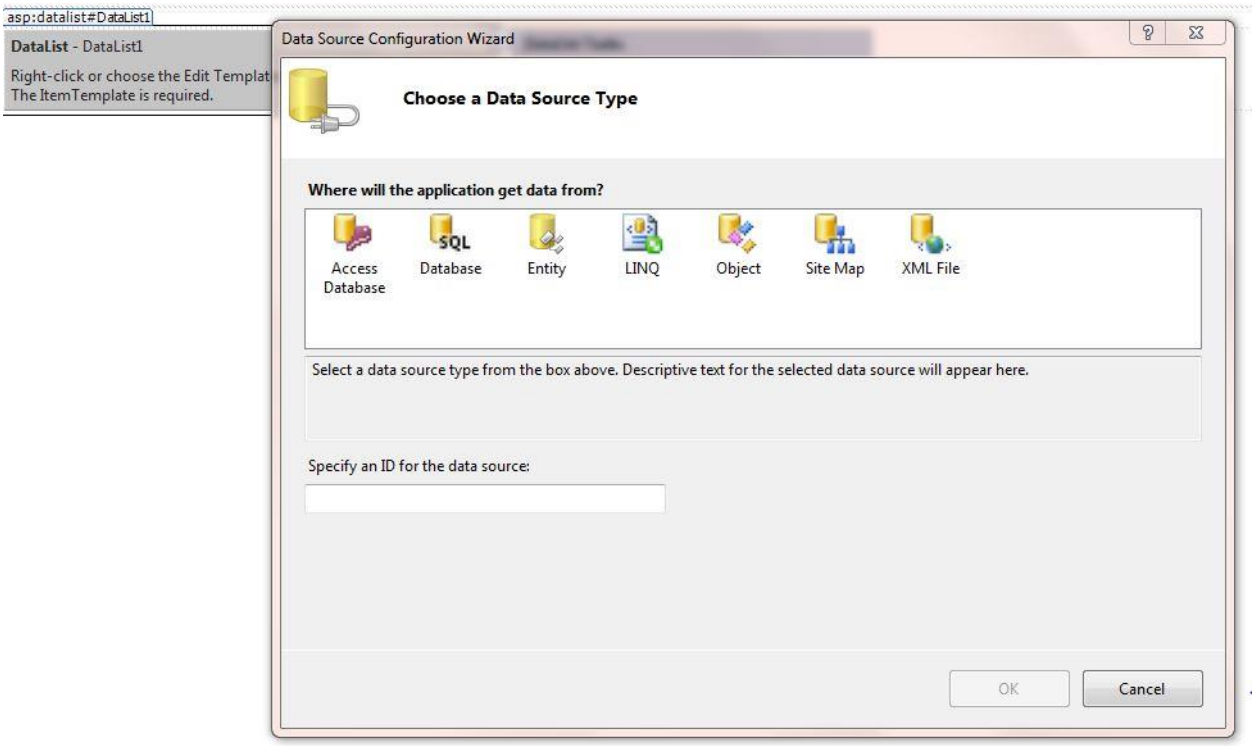
```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical6(c).aspx.cs"
Inherits="practical6_c_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>

   </div>
   <asp:DataList ID="DataList1" runat="server">
   </asp:DataList>
   </form>
</body>
</html>
```

Design..practical6(c) :

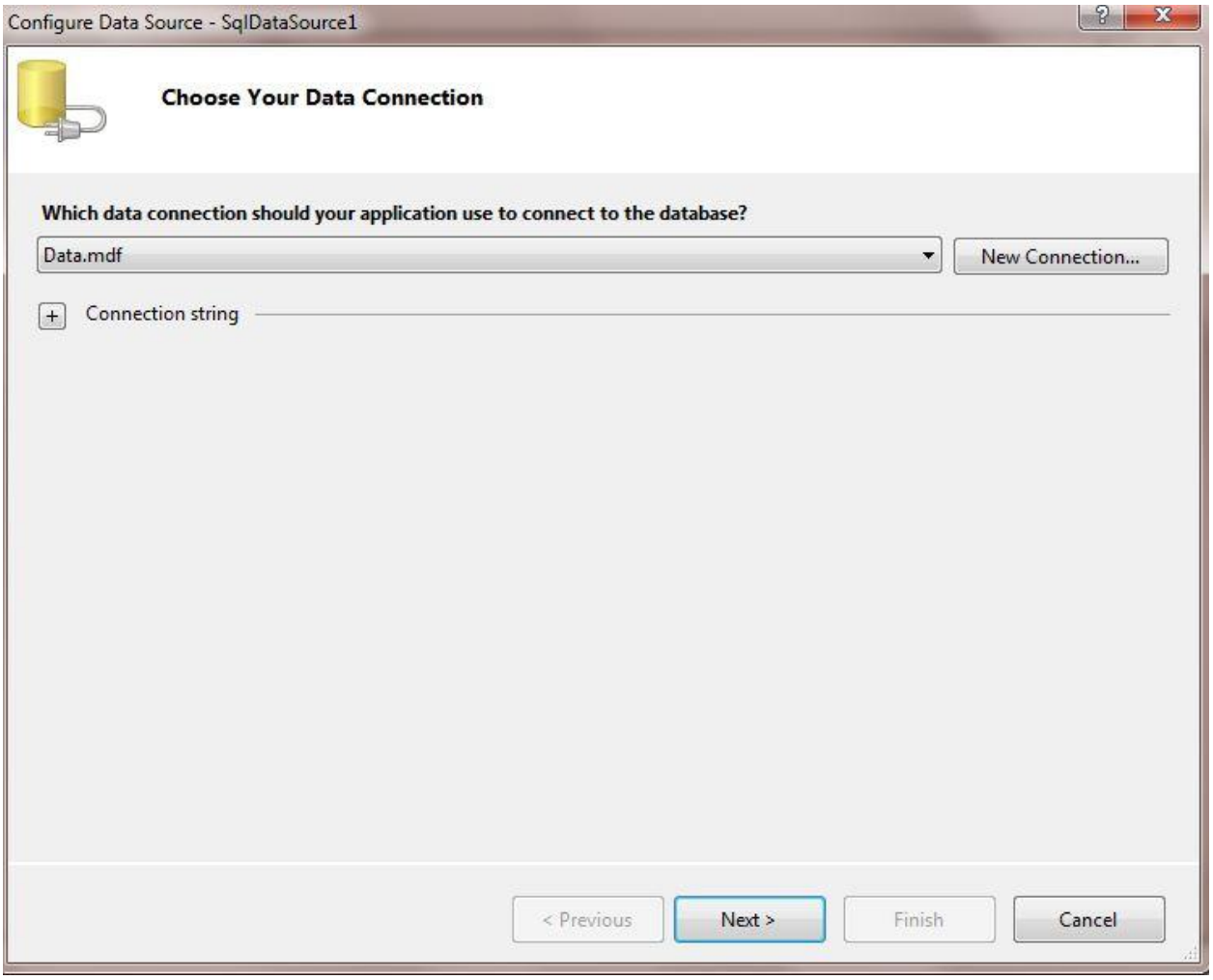
For Datalist link control we need certain steps :

Step 1:

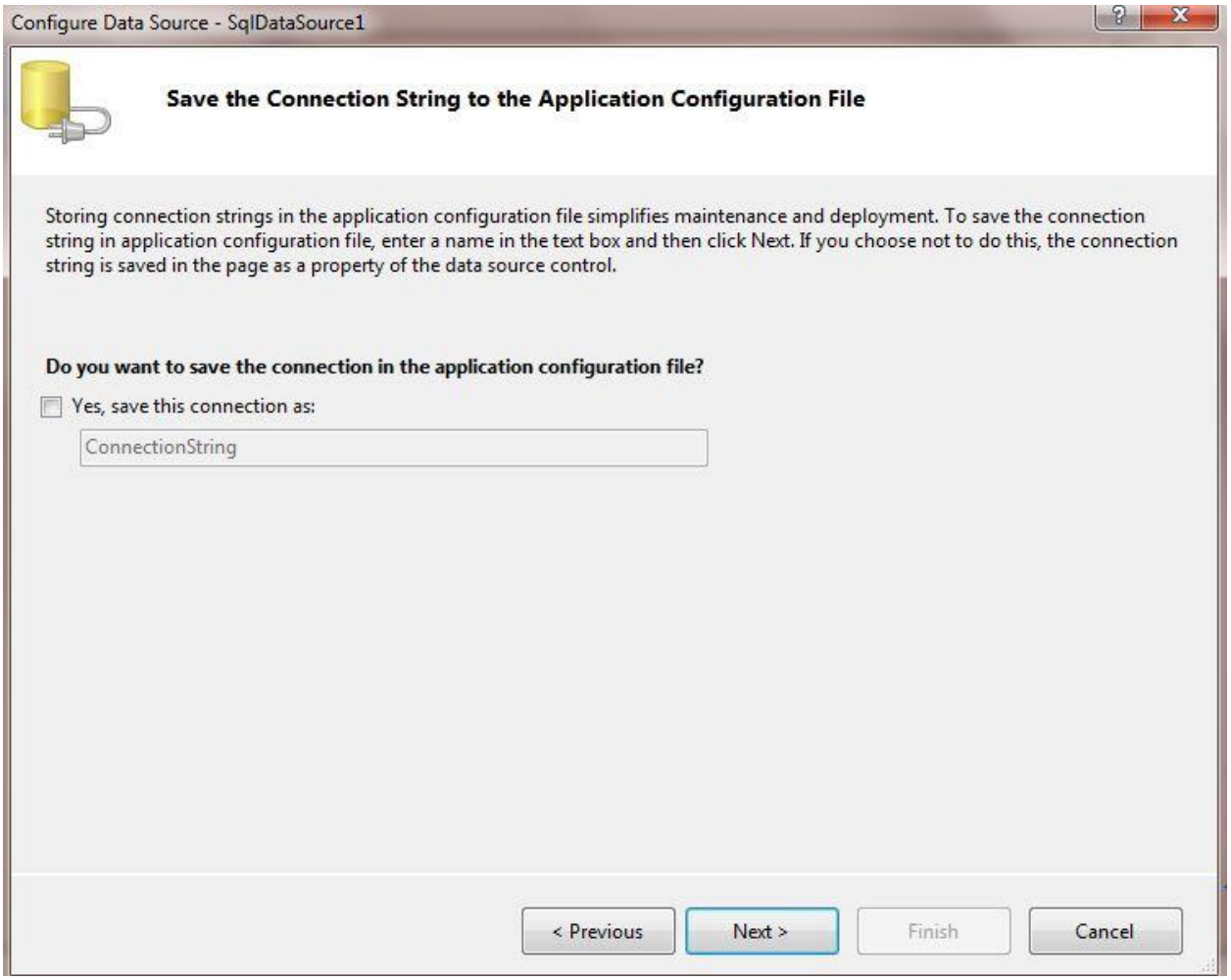
Step 2 :



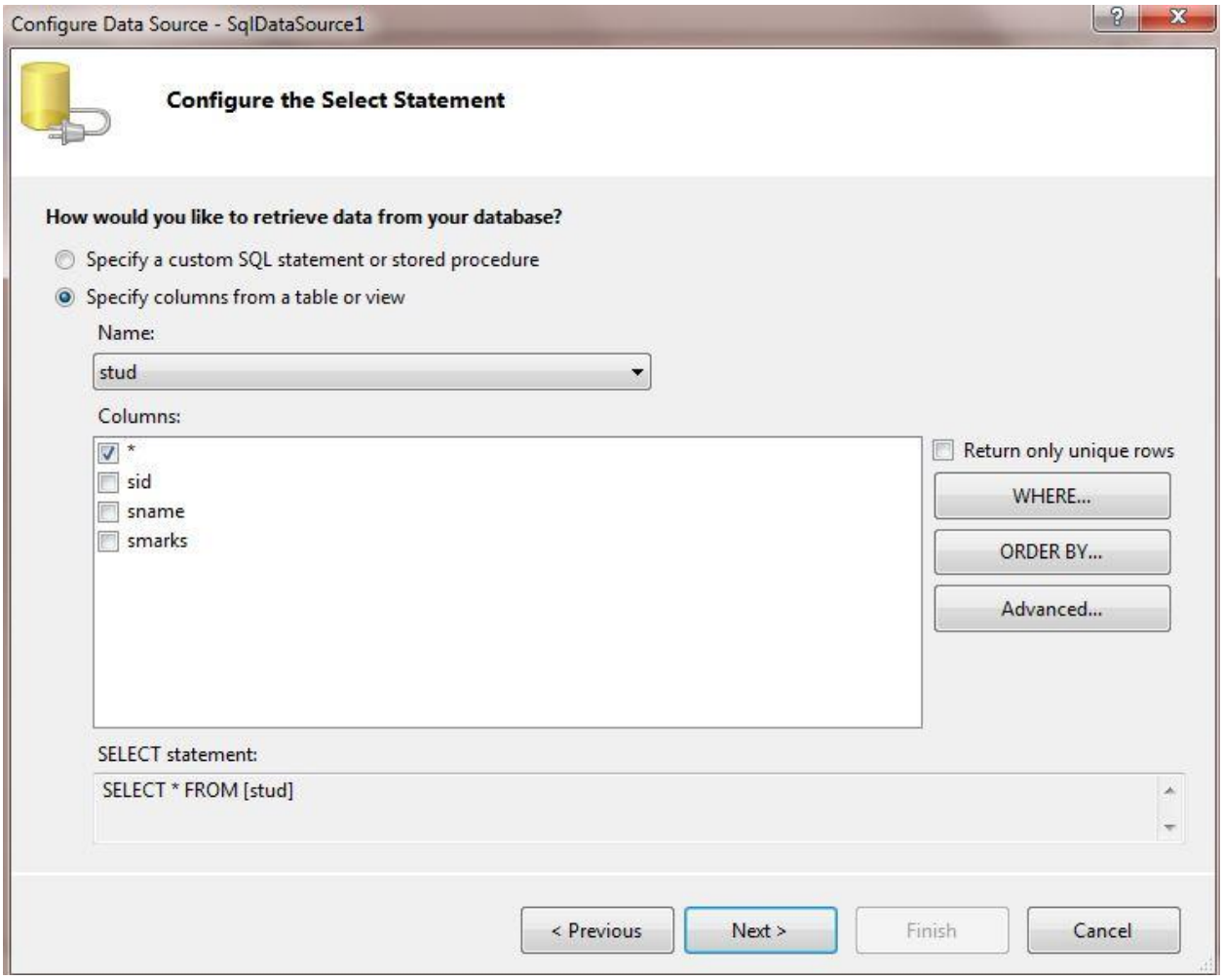
Step 3:


Configure Data Source - SqlDataSource1
Choose Your Data Connection
Which data connection should your application use to connect to the database?
Data.mdf
New Connection...
Connection string
< Previous
Next >
Finish
Cancel

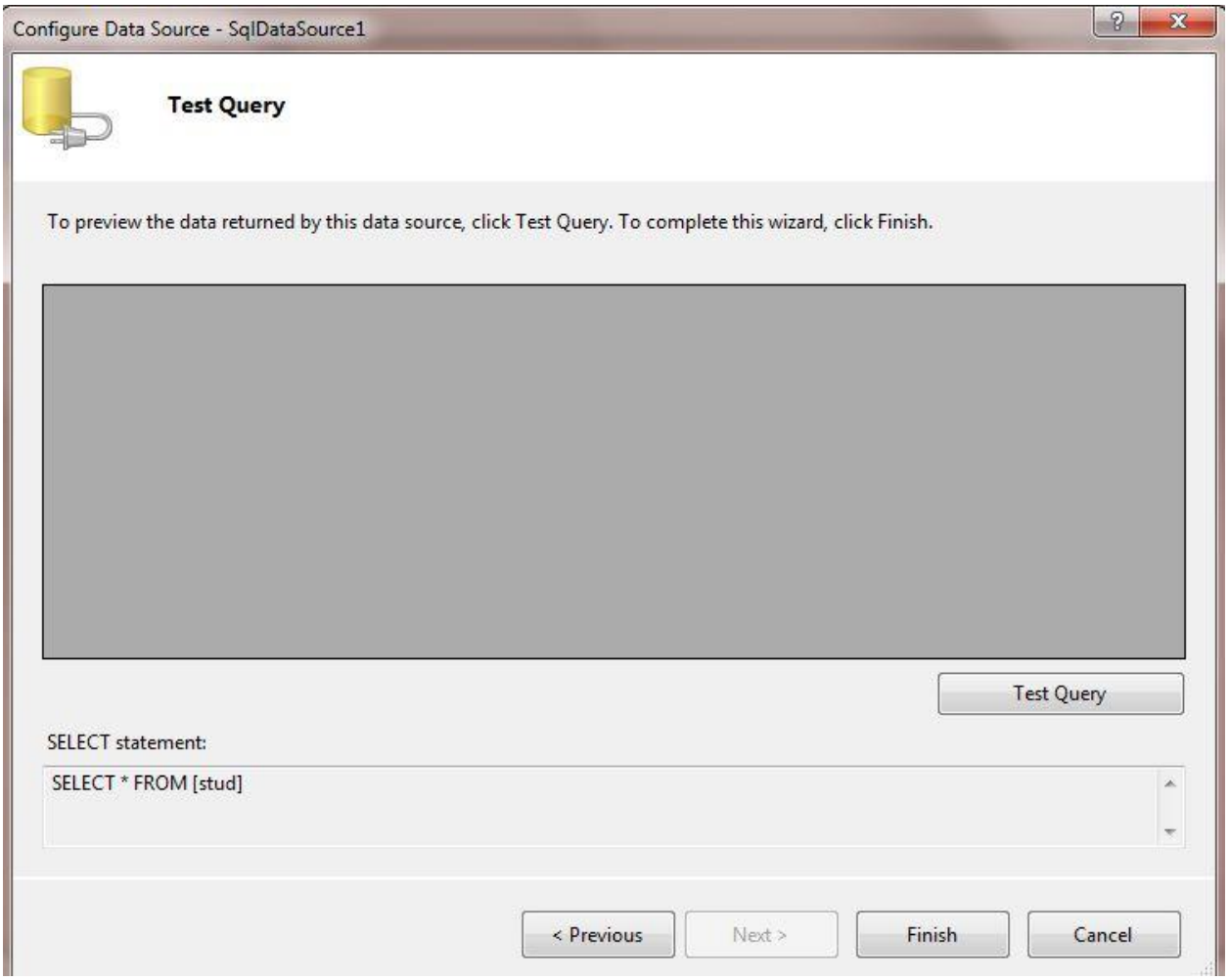
Step 4 :


Configure Data Source - SqlDataSource1
Save the Connection String to the Application Configuration File
Storing connection strings in the application configuration file simplifies maintenance and deployment. To save the connection string in application configuration file, enter a name in the text box and then click Next. If you choose not to do this, the connection string is saved in the page as a property of the data source control.
Do you want to save the connection in the application configuration file?
Yes, save this connection as:
ConnectionString
< Previous
Next >
Finish
Cancel

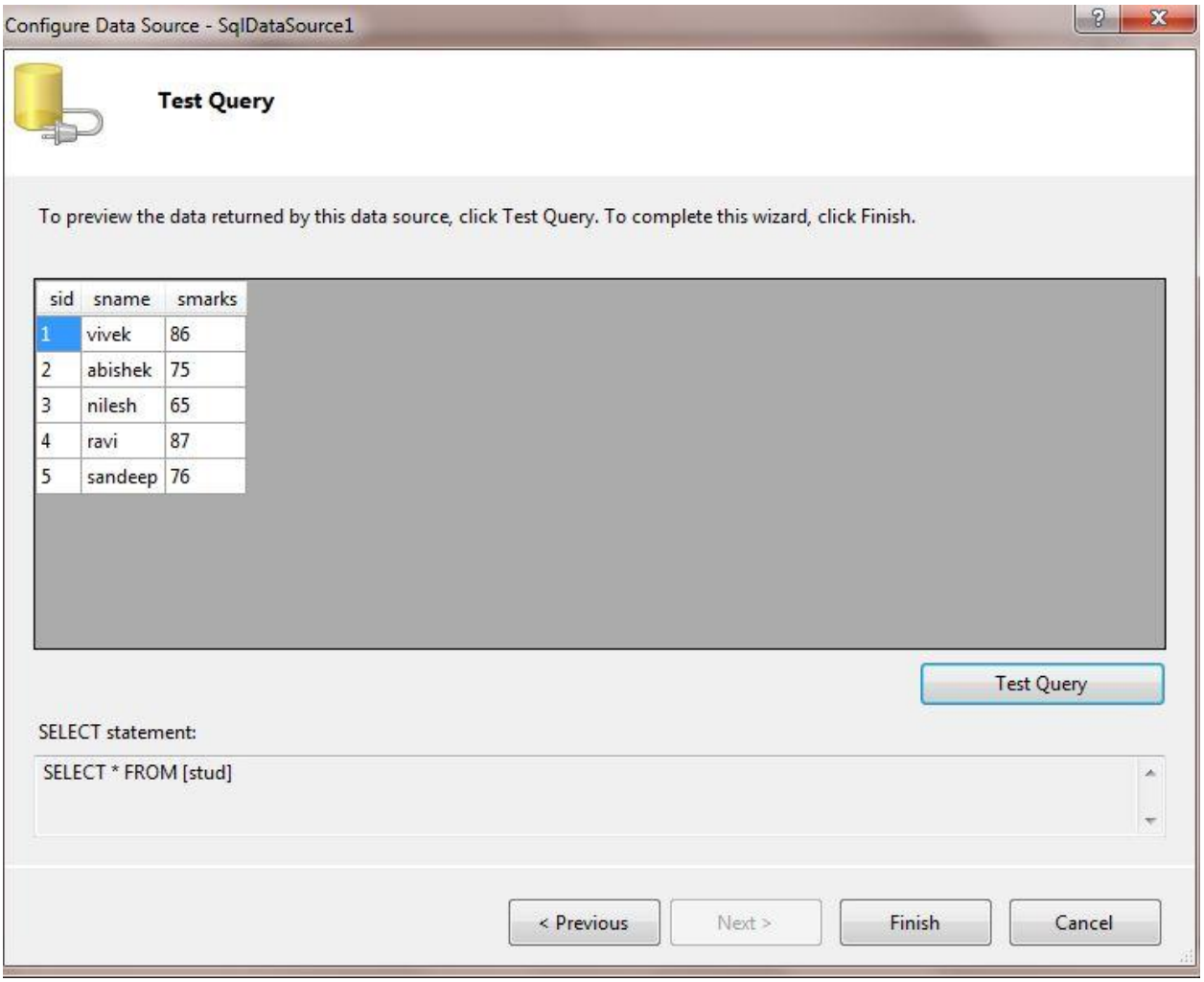
Step 5 :


Configure Data Source - SqlDataSource1
Configure the Select Statement
How would you like to retrieve data from your database?
Specify a custom SQL statement or stored procedure
Specify columns from a table or view
Name:
stud
Columns:
*
sid
sname
smarks
Return only unique rows
WHERE...
ORDER BY...
Advanced...
SELECT statement:
SELECT * FROM [stud]
< Previous
Next >
Finish
Cancel

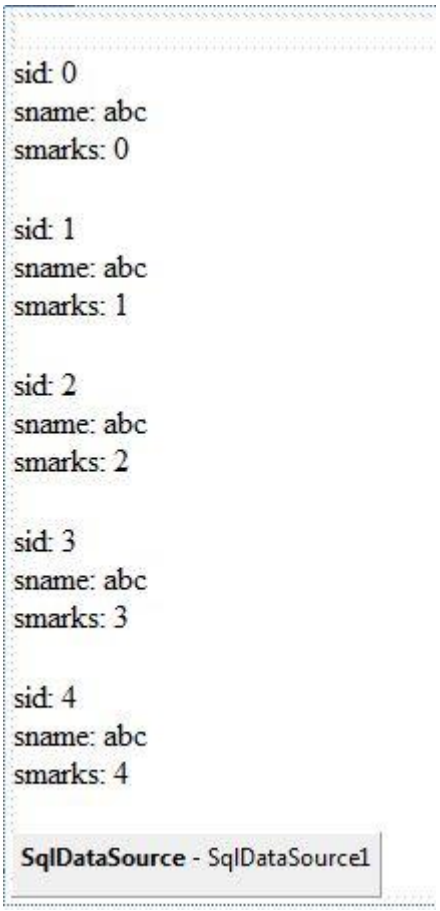
Step 6 :


Configure Data Source - SqlDataSource1
Test Query
To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.
Test Query
SELECT statement:
SELECT * FROM [stud]
< Previous
Next >
Finish
Cancel

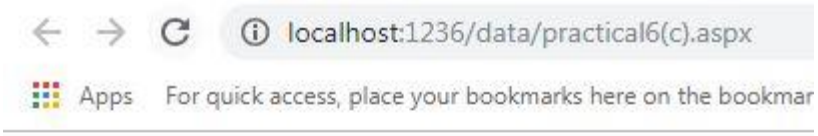
Step 7 :


Configure Data Source - SqlDataSource1
Test Query
To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.
sid sname smarks
1 vivek 86
2 abishek 75
3 nilesh 65
4 ravi 87
5 sandeep 76
Test Query
SELECT statement:
SELECT * FROM [stud]
< Previous
Next >
Finish
Cancel

Step 8:


sid: 0
sname: abc
smarks: 0
sid: 1
sname: abc
smarks: 1
sid: 2
sname: abc
smarks: 2
sid: 3
sname: abc
smarks: 3
sid: 4
sname: abc
smarks: 4
SqlDataSource - SqlDataSource1

Output :



sid: 1
sname: vivek
smarks: 86

sid: 2
sname: abishek
smarks: 75

sid: 3
sname: nilesh
smarks: 65

sid: 4
sname: ravi
smarks: 87

sid: 5
sname: sandeep
smarks: 76

Practical No.7(a)

Problem statement : Create a web application to display Databinding using DropDownlist control

Note :In that The Databinding to DropDownList can be done using visual studio options to select the Data Source, The step is similar as performed in practical6(c)

Web.config :

```
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->

<configuration>

    <system.web>
        <compilation debug="false" targetFramework="4.0" />
    </system.web>
  <connectionStrings>
    <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
  </connectionStrings>

</configuration>
```

Source code :

Practical7(a).aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical7(a).aspx.cs"
Inherits="practical7_a_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>

      <asp:DropDownList ID="DropDownList1" runat="server"
         DataTextField="sname" DataValueField="sname">
      </asp:DropDownList>
      <asp:SqlDataSource ID="SqlDataSource1" runat="server"
         ConnectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Data.mdf;Integrated
Security=True;User Instance=True"
         ProviderName="System.Data.SqlClient" SelectCommand="SELECT [sname] FROM
[stud]">
      </asp:SqlDataSource>
      <br />
      <br />
      <br />
      <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
         Text="Click Me !" />
      <br />
      <br />
      <br />
      <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>

   </div>
   </form>
</body>
</html>
```

practical.aspx.cs :

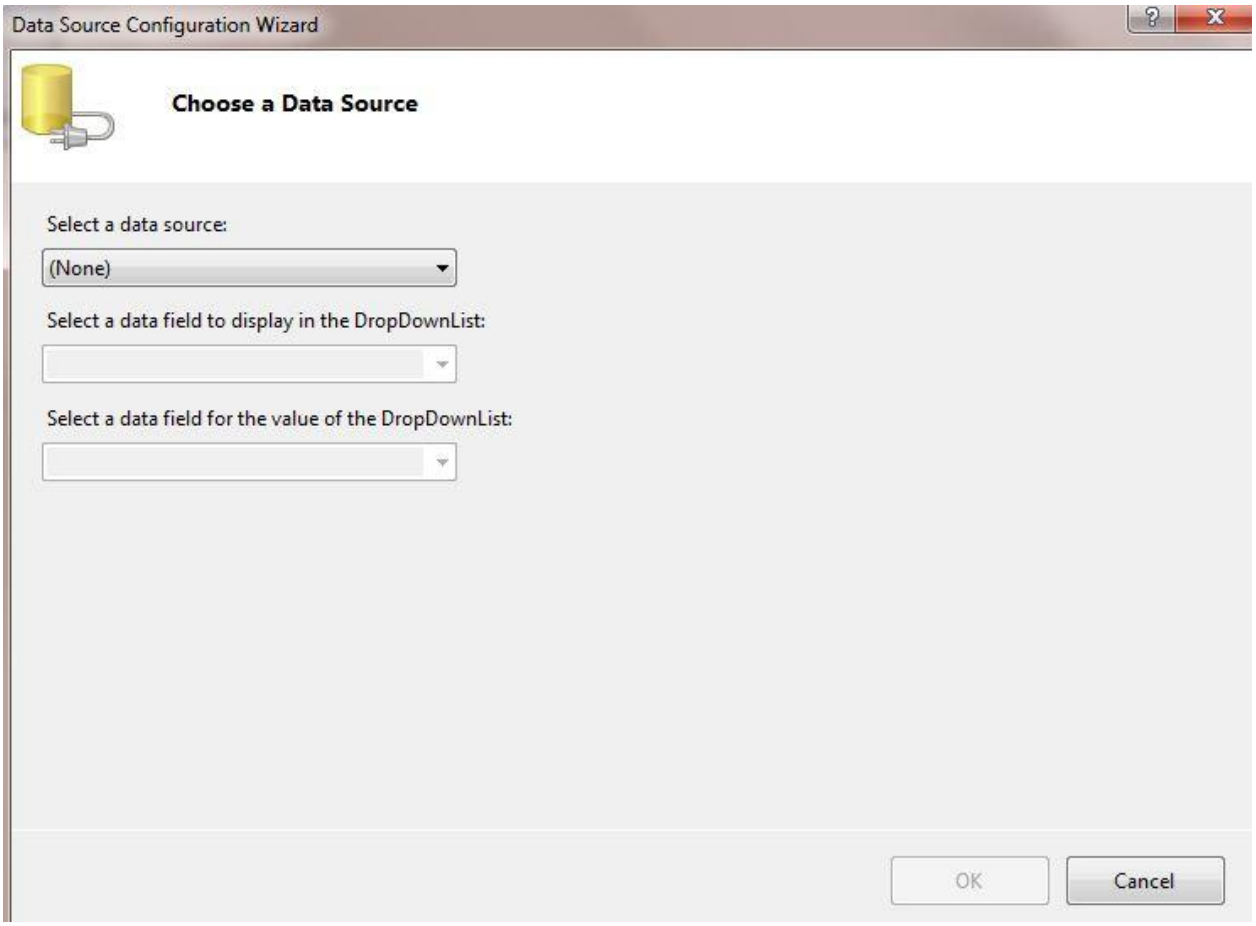
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class practical7_a_ : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (IsPostBack == false)
        {
            string connStr =
            ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
            SqlConnection con = new SqlConnection(connStr);
            SqlCommand cmd = new SqlCommand("select Distinct sname from stud", con);

            con.Open();

            SqlDataReader reader = cmd.ExecuteReader();

            DropDownList1.DataSource = reader;
            DropDownList1.DataTextField = "sname";
            DropDownList1.DataBind();
            reader.Close();
            con.Close();
        }
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Text = "The name you selected is :" + DropDownList1.SelectedValue;
    }
}
```

Desing..practical7(a) :

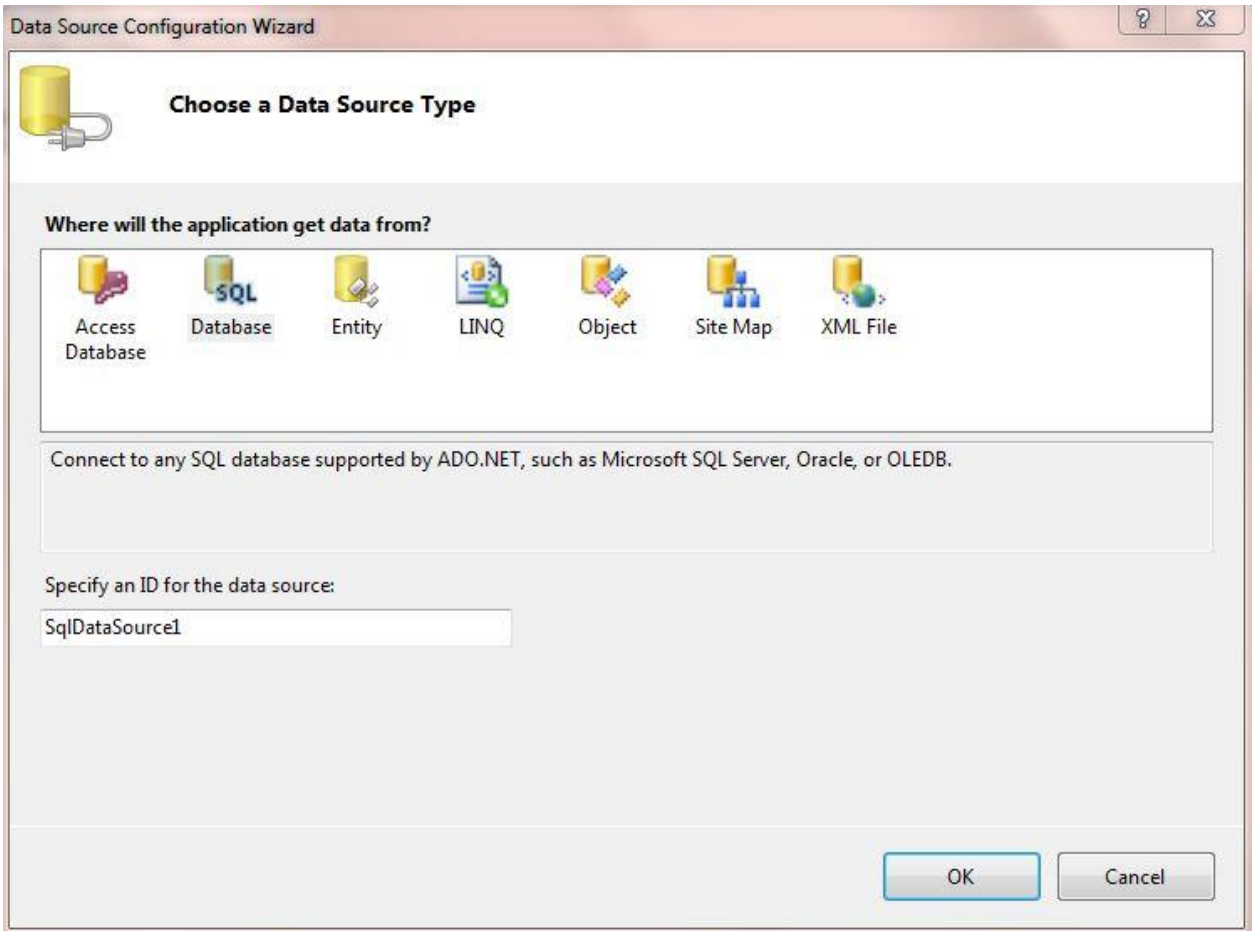
Note :The output can become either two way one is through **coding** in **.cs file**

(**Or we can follow certain steps as given below**)

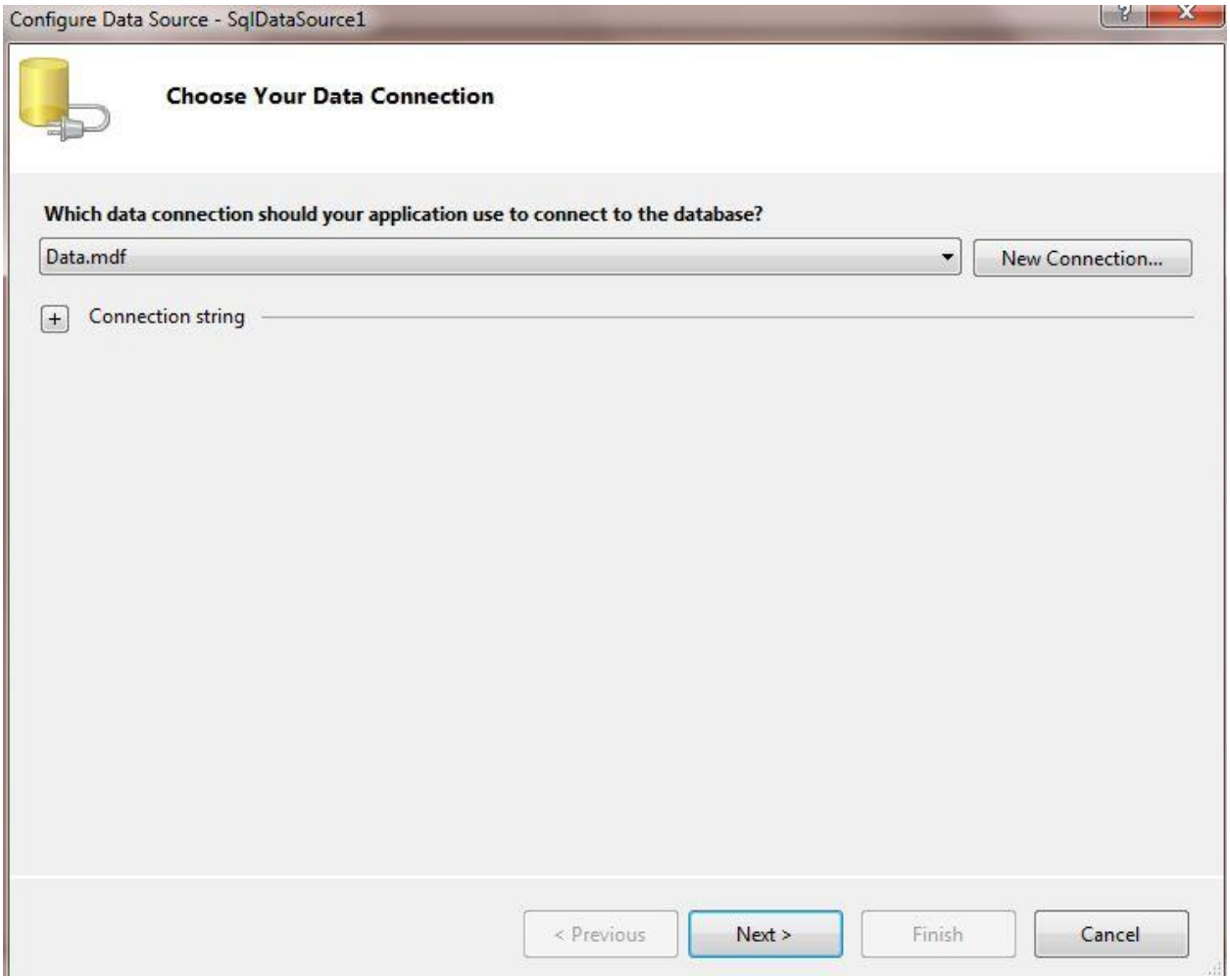
Step 1:


Data Source Configuration Wizard
Choose a Data Source
Select a data source:
(None)
Select a data field to display in the DropDownList:
Select a data field for the value of the DropDownList:
OK
Cancel

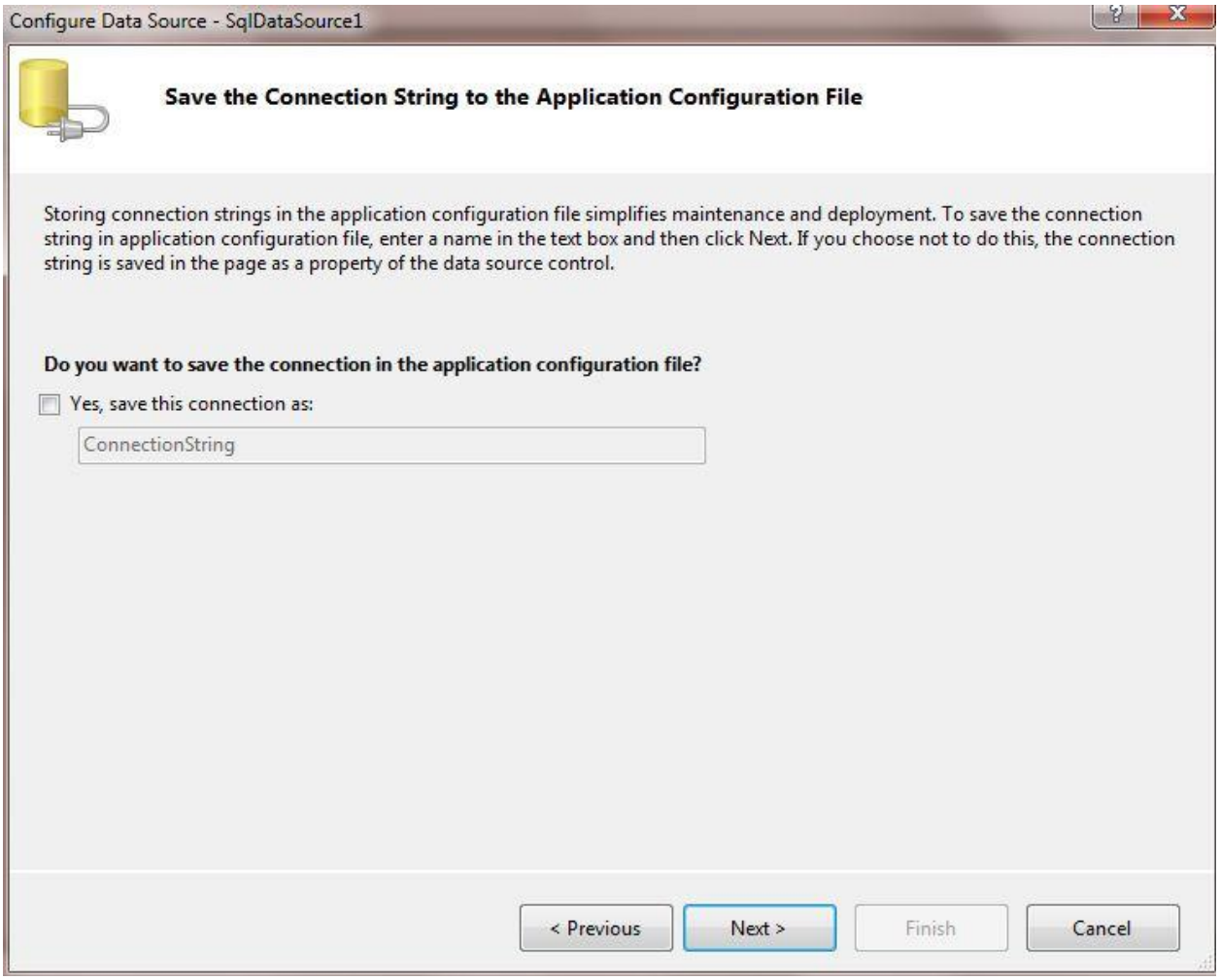
Step 2:


Data Source Configuration Wizard
Choose a Data Source Type
Where will the application get data from?
Access Database
Database
Entity
LINQ
Object
Site Map
XML File
Connect to any SQL database supported by ADO.NET, such as Microsoft SQL Server, Oracle, or OLEDB.
Specify an ID for the data source:
SqlDataSource1
OK
Cancel

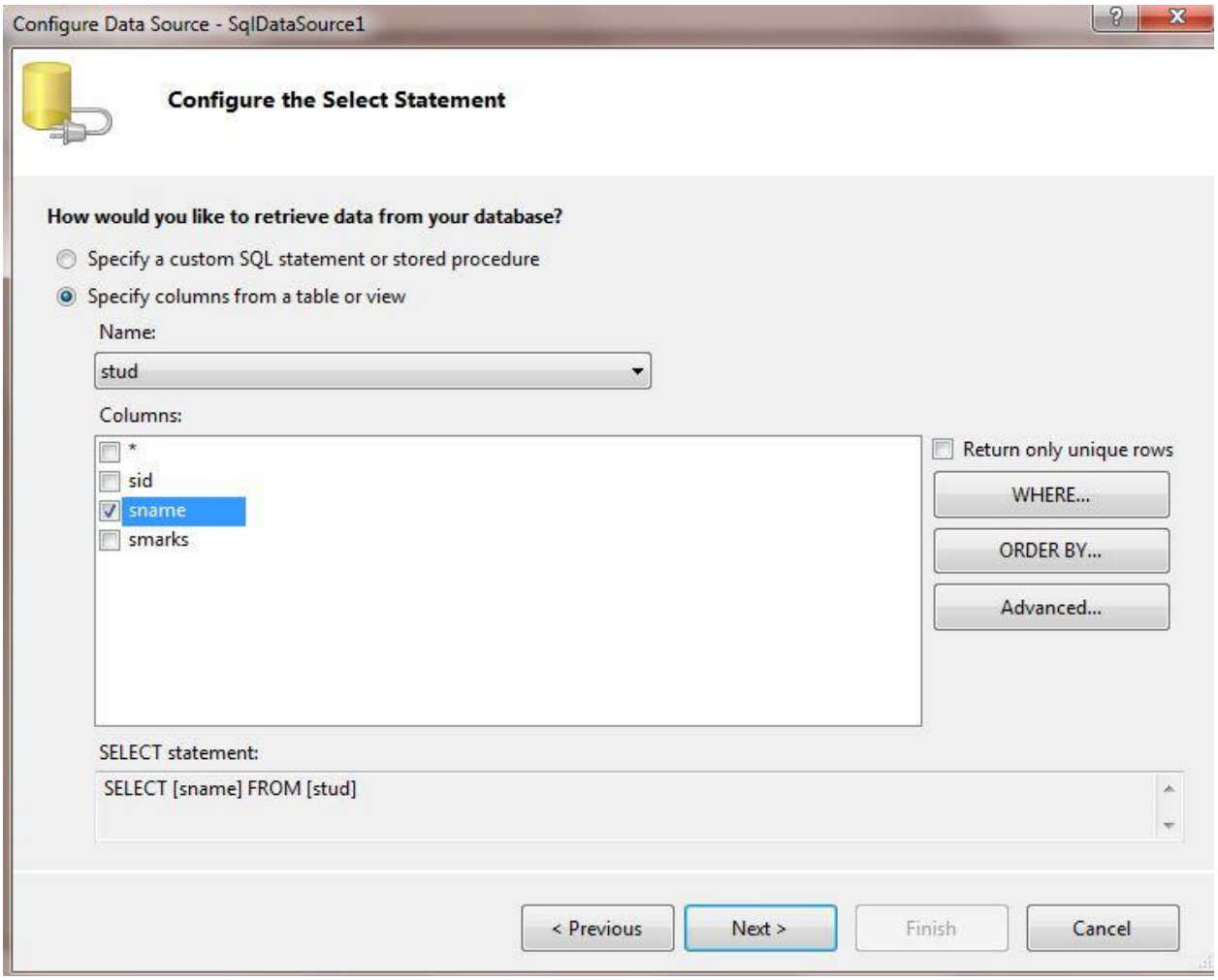
Step 3:


Configure Data Source - SqlDataSource1
Choose Your Data Connection
Which data connection should your application use to connect to the database?
Data.mdf
New Connection...
Connection string
< Previous
Next >
Finish
Cancel

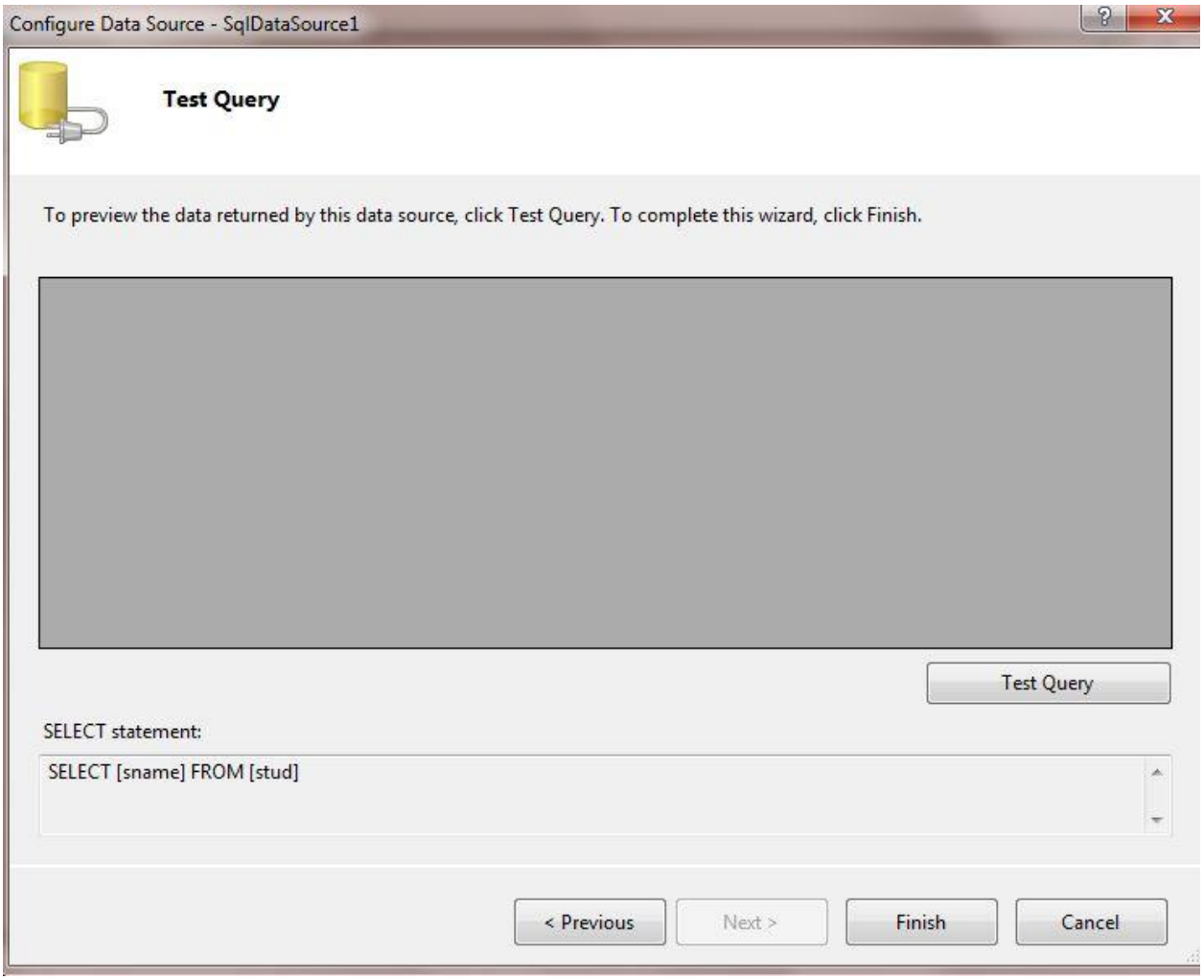
Step 4 :


Configure Data Source - SqlDataSource1
Save the Connection String to the Application Configuration File
Storing connection strings in the application configuration file simplifies maintenance and deployment. To save the connection string in application configuration file, enter a name in the text box and then click Next. If you choose not to do this, the connection string is saved in the page as a property of the data source control.
Do you want to save the connection in the application configuration file?
Yes, save this connection as:
ConnectionString
< Previous
Next >
Finish
Cancel

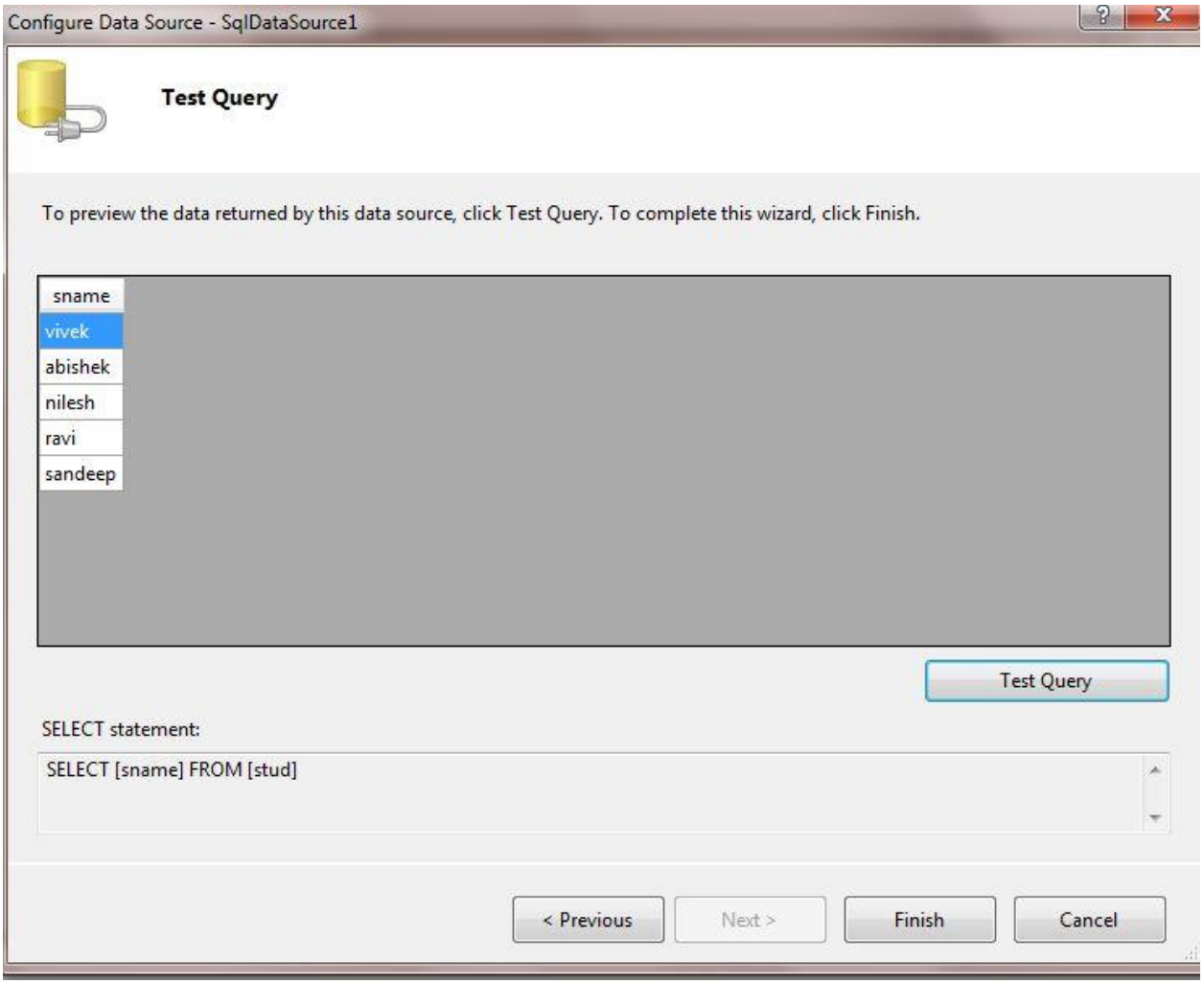
Step 5 :


Configure Data Source - SqlDataSource1
Configure the Select Statement
How would you like to retrieve data from your database?
Specify a custom SQL statement or stored procedure
Specify columns from a table or view
Name:
stud
Columns:
*
sid
sname
smarks
Return only unique rows
WHERE...
ORDER BY...
Advanced...
SELECT statement:
SELECT [sname] FROM [stud]
< Previous
Next >
Finish
Cancel

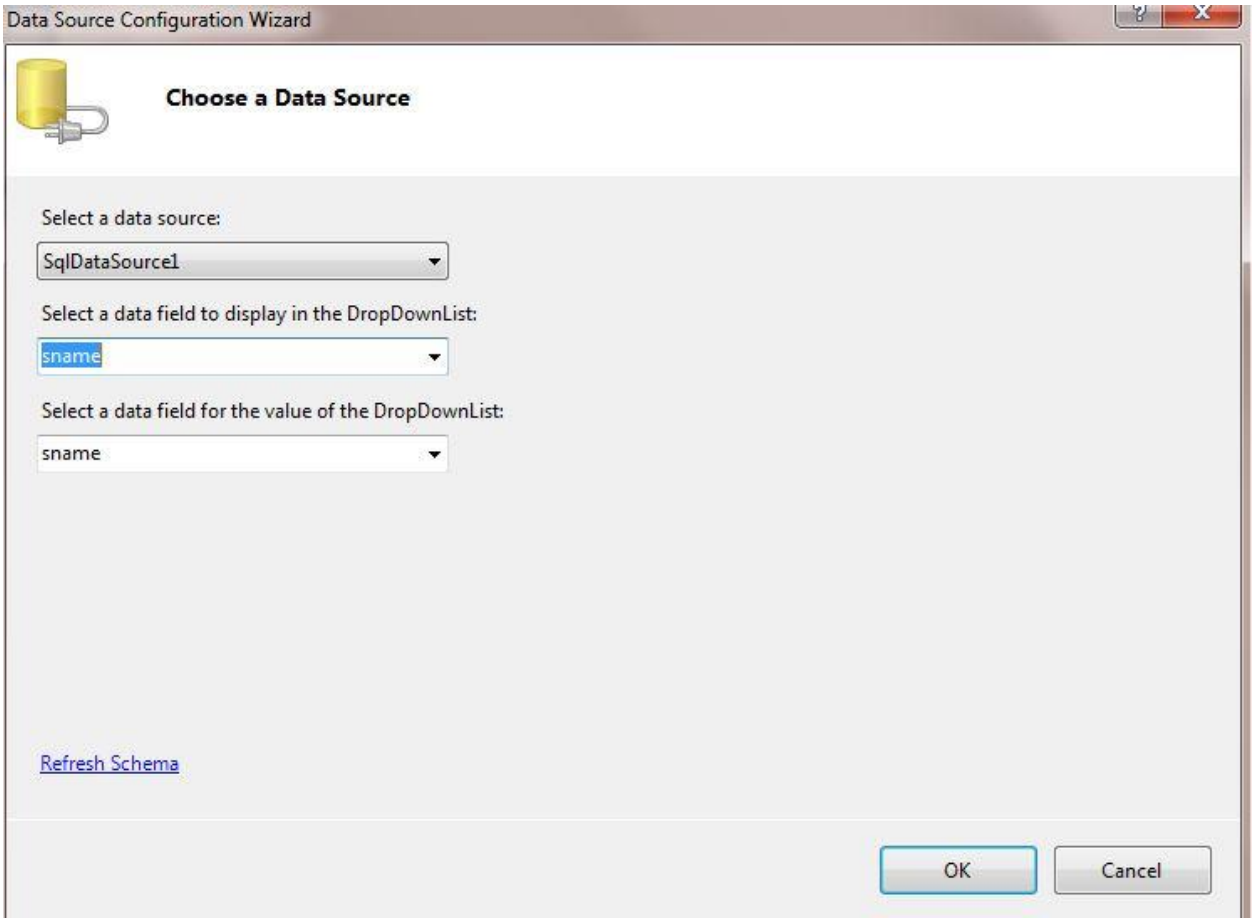
Step 6:


Configure Data Source - SqlDataSource1
Test Query
To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.
Test Query
SELECT statement:
SELECT [sname] FROM [stud]
< Previous
Next >
Finish
Cancel

Step 7 :


Configure Data Source - SqlDataSource1
Test Query
To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.
sname
vivek
abishek
nilesh
ravi
sandeep
Test Query
SELECT statement:
SELECT [sname] FROM [stud]
< Previous
Next >
Finish
Cancel

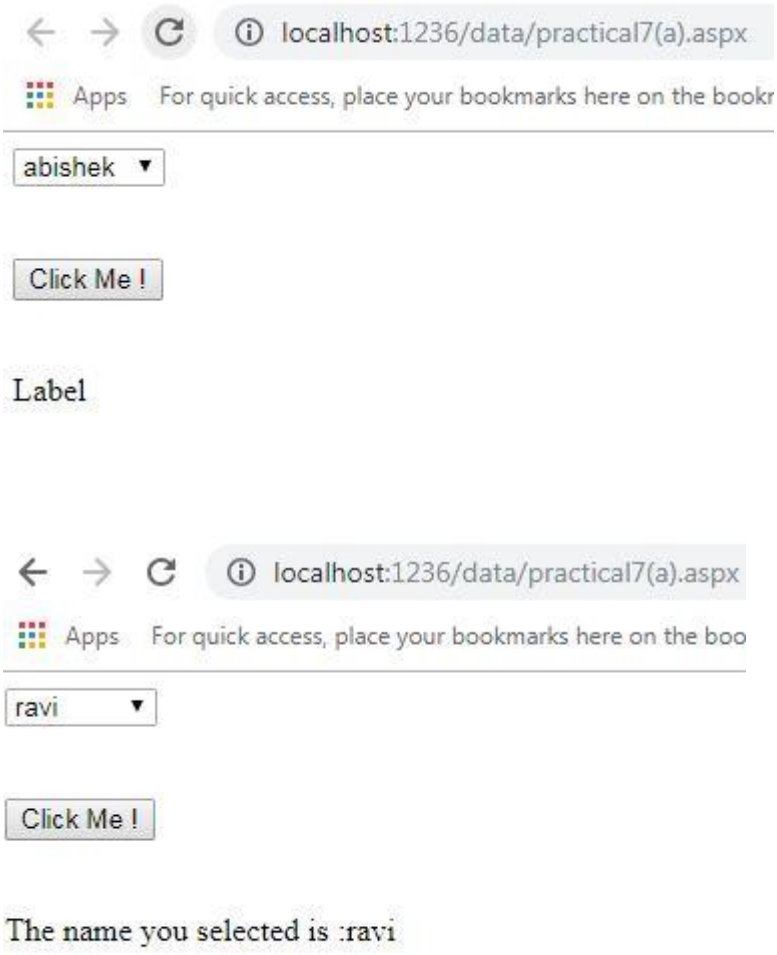
Step 8:


Data Source Configuration Wizard
Choose a Data Source
Select a data source:
SqlDataSource1
Select a data field to display in the DropDownList:
sname
Select a data field for the value of the DropDownList:
sname
Refresh Schema
OK
Cancel

Step 9 :

asp:dropdownlist#DropDownList1
Databound
SqlDataSource - SqlDataSource1
Click Me !
Label

Output :


localhost:1236/data/practical7(a).aspx
Apps
For quick access, place your bookmarks here on the bookr
abishek
Click Me !
Label
localhost:1236/data/practical7(a).aspx
Apps
For quick access, place your bookmarks here on the boo
ravi
Click Me !
The name you selected is :ravi

Practical No.7(b)

Problem statement :- Create a web application for to display the marks of students using database.

Web.config :

```
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->

<configuration>

    <system.web>
        <compilation debug="false" targetFramework="4.0" />
    </system.web>
  <connectionStrings>
    <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
  </connectionStrings>

</configuration>
```

Source code :

Practical7(b).aspx :

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practcal7(b).aspx.cs"
Inherits="practcal7_b_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
```

```
        <asp:Label ID="Label1" runat="server"
           Text="Select your name to get your marks :"></asp:Label>
        <br />
        <br />
        <asp:DropDownList ID="DropDownList1" runat="server"
//DataSourceID=”SqlDataSource1” Note:REMOVE IT
            DataTextField="sname" DataValueField="smarks">
        </asp:DropDownList>
        <asp:SqlDataSource ID="SqlDataSource1" runat="server"
           ConnectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Data.mdf;Integrated
Security=True;User Instance=True"
           ProviderName="System.Data.SqlClient"
           SelectCommand="SELECT [sname], [smarks] FROM [stud]"></asp:SqlDataSource>
        <br />
        <br />
        <br />
        <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
           Text="Get Marks" />
        <br />
        <br />
        <br />
        <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>

    </div>
    </form>
</body>
</html>
```

Practical7(b).aspx.cs :

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class practcal7_b_ : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (IsPostBack == false)
        {
```

```
        string connStr =
       ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        SqlCommand cmd = new SqlCommand("select Distinct sname,smarks from stud", con);

        con.Open();

        SqlDataReader reader = cmd.ExecuteReader();

        DropDownList1.DataSource = reader;
        DropDownList1.DataTextField = "sname";
        DropDownList1.DataValueField = "smarks";
        DropDownList1.DataBind();
        reader.Close();
        con.Close();
    }
  }


  protected void Button1_Click(object sender, EventArgs e)
  {
    Label2.Text = "Your Marks is :" + DropDownList1.SelectedValue;
  }
}
```

Design…prctical7(b):

In design Take 1…Label 2..DropDownLis 3..Button 4..Label

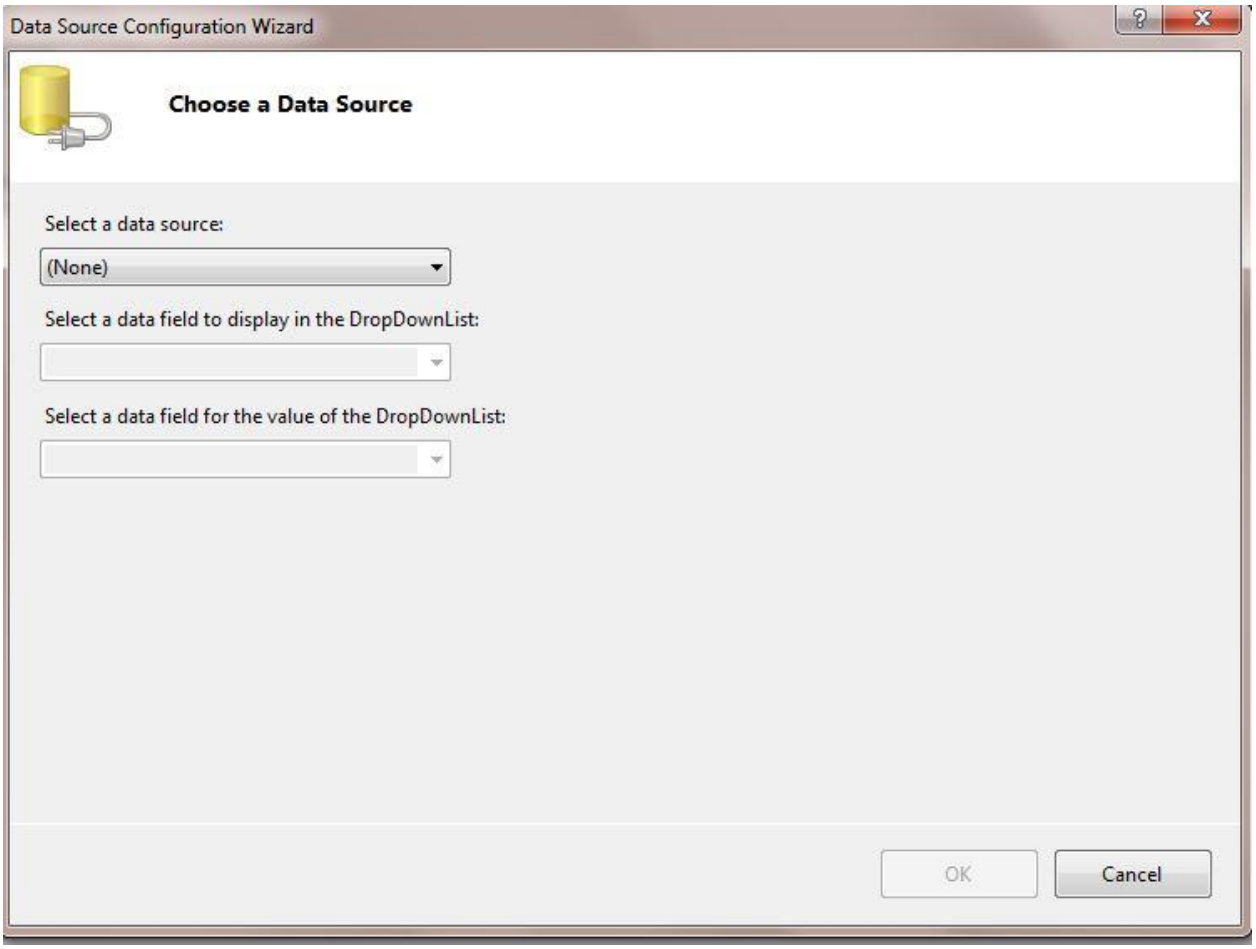
Here is also same

1.**Through coding**

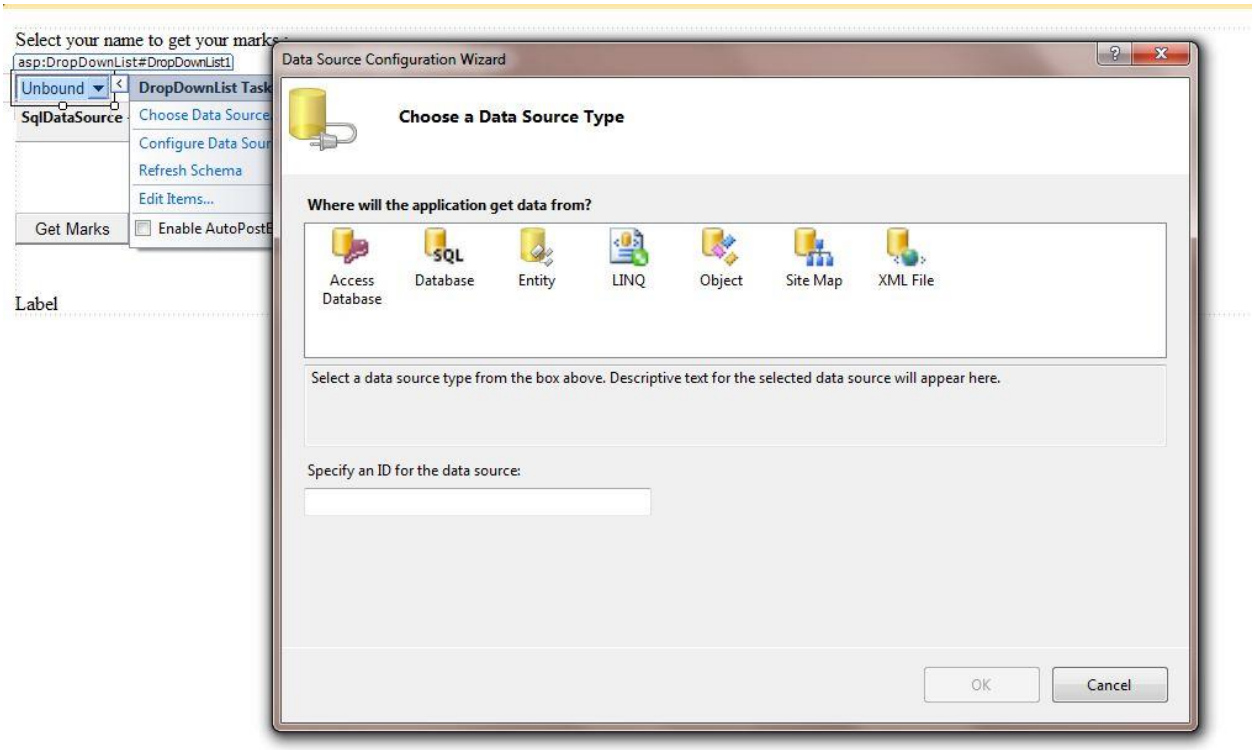
..OR..

Follow certain step :

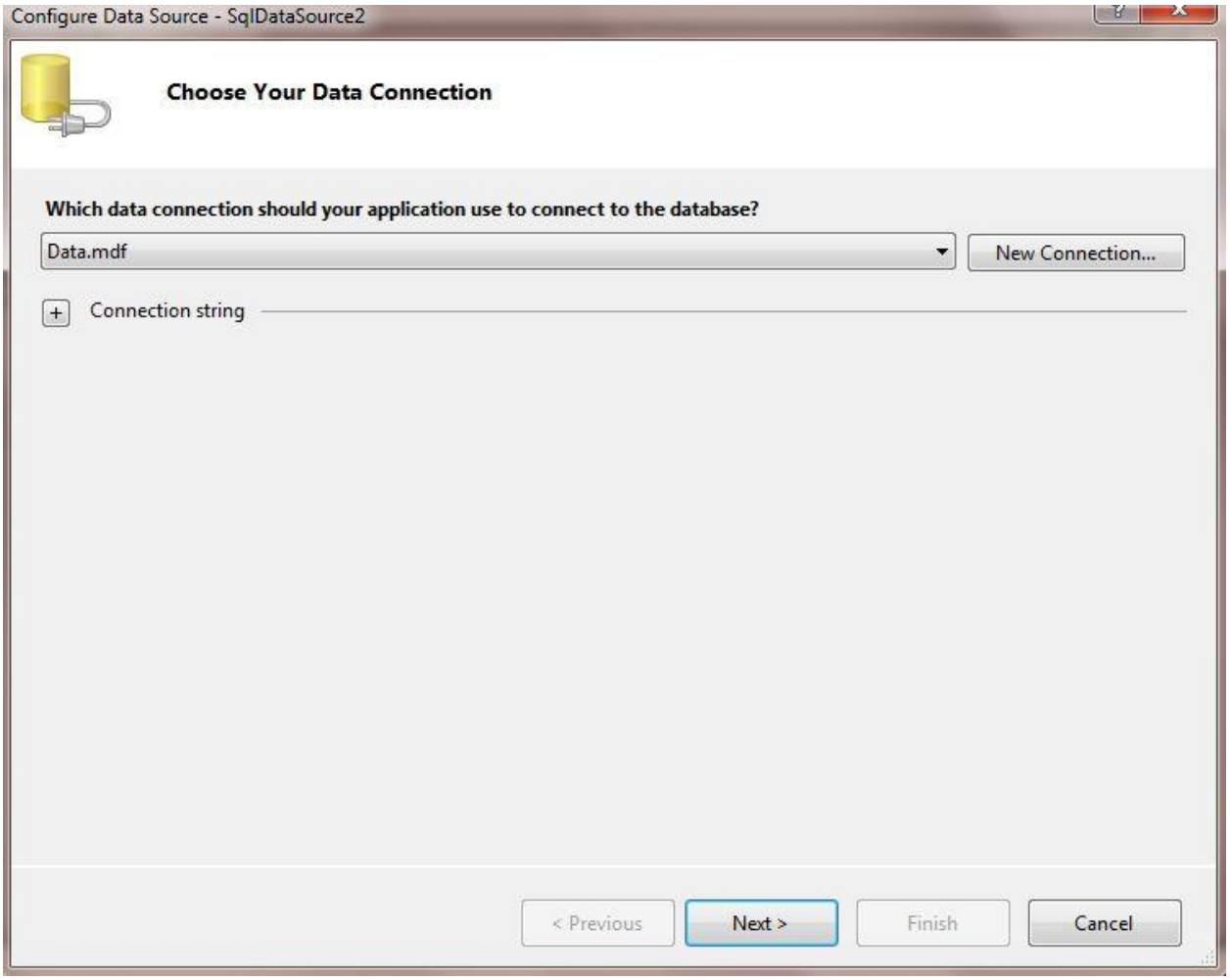
Step 1 :


Data Source Configuration Wizard
Choose a Data Source
Select a data source:
(None)
Select a data field to display in the DropDownList:
Select a data field for the value of the DropDownList:
OK
Cancel

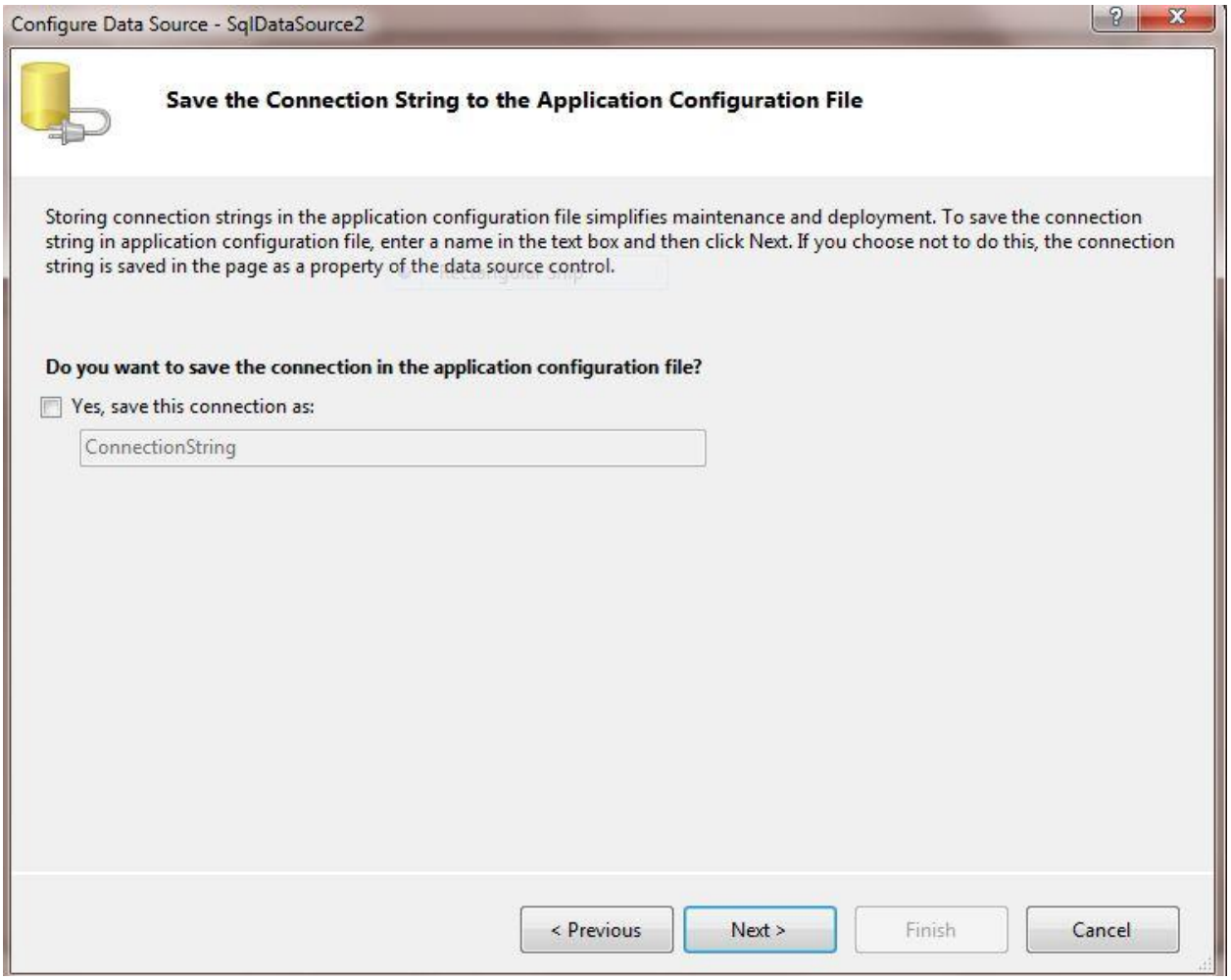
Step2:


Select your name to get your marks:
asp:DropDownList#DropDownList1
Unbound
SqlDataSource
DropDownList Task
Choose Data Source
Configure Data Sour
Refresh Schema
Edit Items...
Get Marks
Enable AutoPostB
Label
Data Source Configuration Wizard
Choose a Data Source Type
Where will the application get data from?
Access Database
Database
Entity
LINQ
Object
Site Map
XML File
Select a data source type from the box above. Descriptive text for the selected data source will appear here.
Specify an ID for the data source:
OK
Cancel

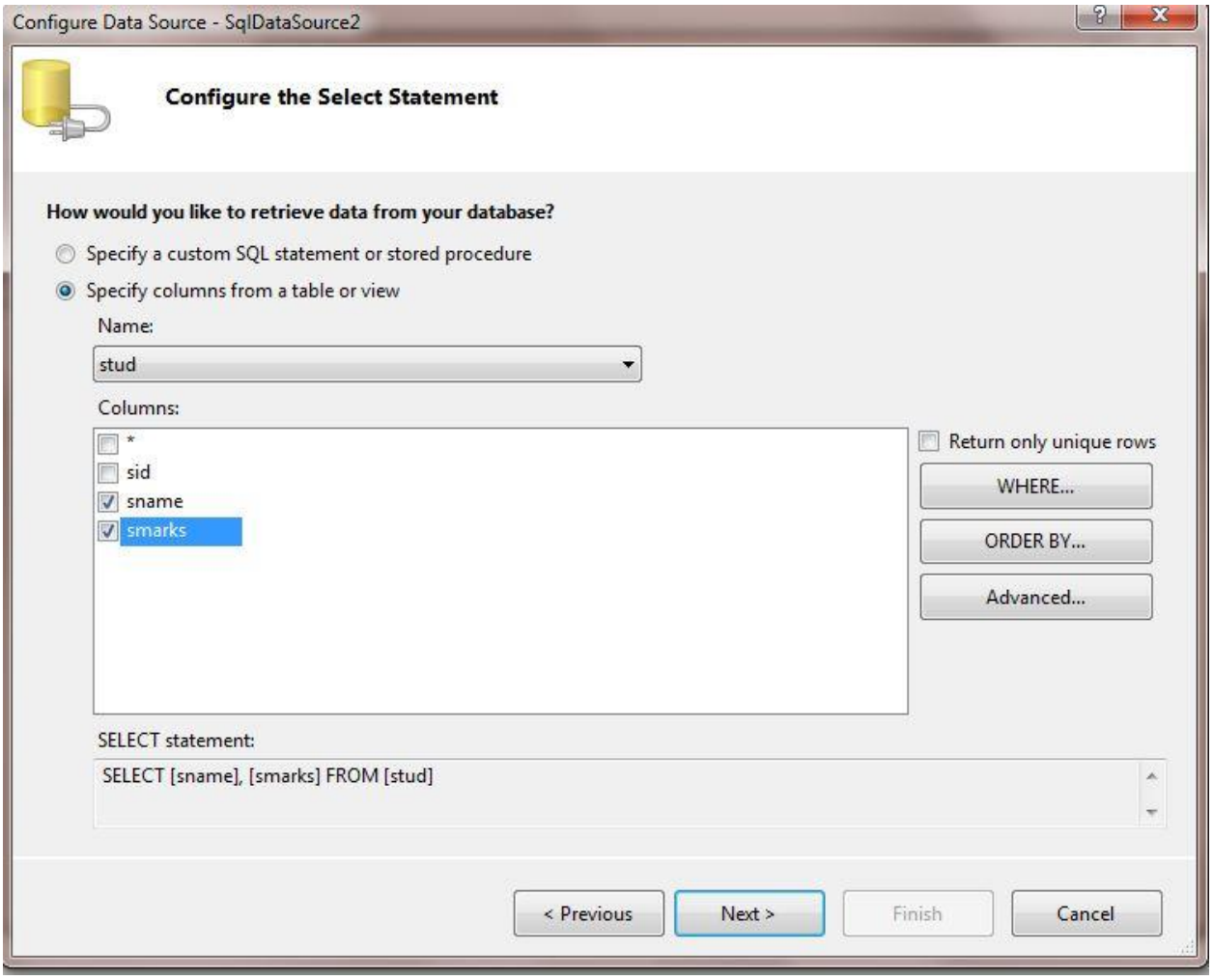
Step 3:


Configure Data Source - SqlDataSource2
Choose Your Data Connection
Which data connection should your application use to connect to the database?
Data.mdf
New Connection...
Connection string
< Previous
Next >
Finish
Cancel

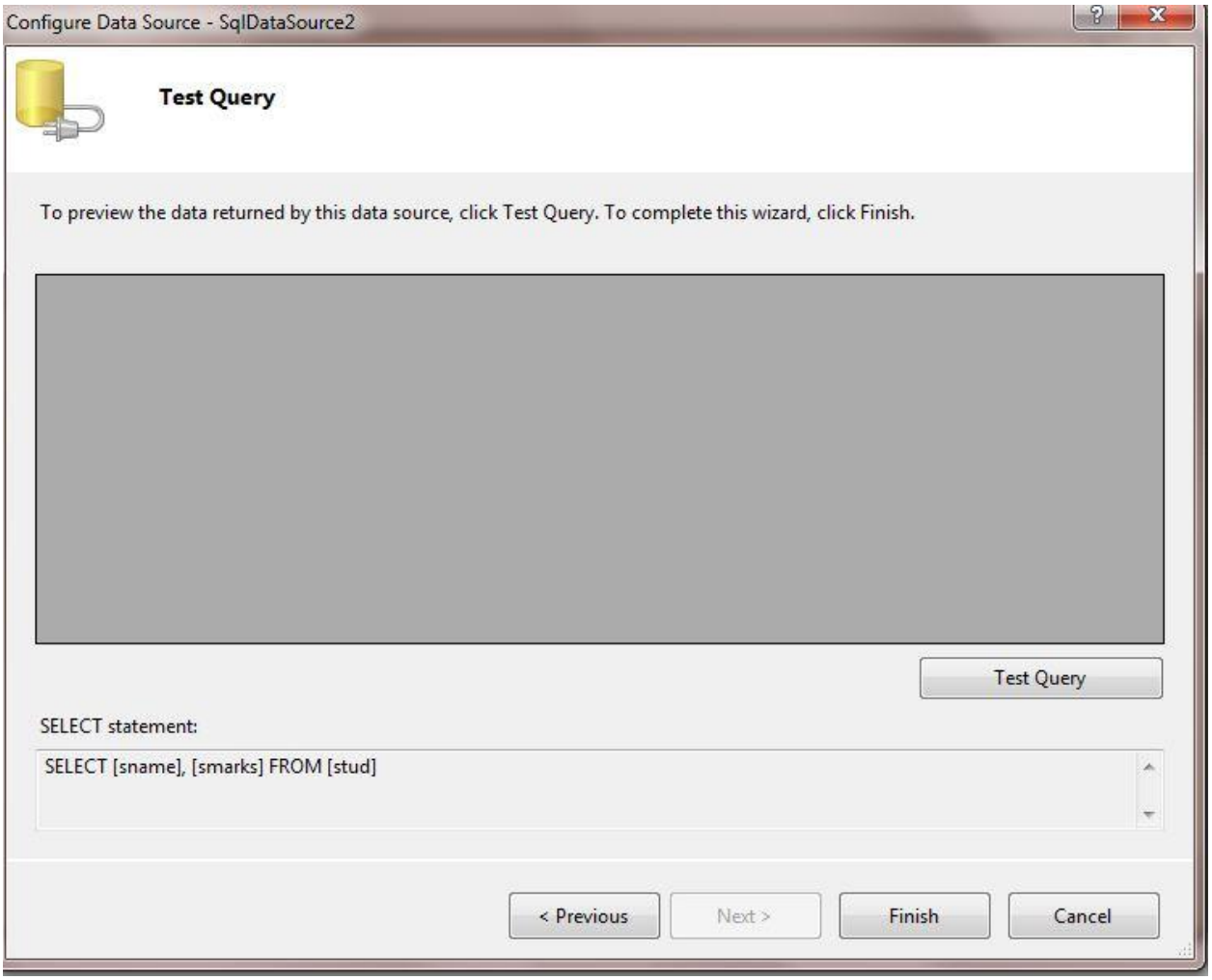
Step4:


Configure Data Source - SqlDataSource2
Save the Connection String to the Application Configuration File
Storing connection strings in the application configuration file simplifies maintenance and deployment. To save the connection string in application configuration file, enter a name in the text box and then click Next. If you choose not to do this, the connection string is saved in the page as a property of the data source control.
Do you want to save the connection in the application configuration file?
Yes, save this connection as:
ConnectionString
< Previous
Next >
Finish
Cancel

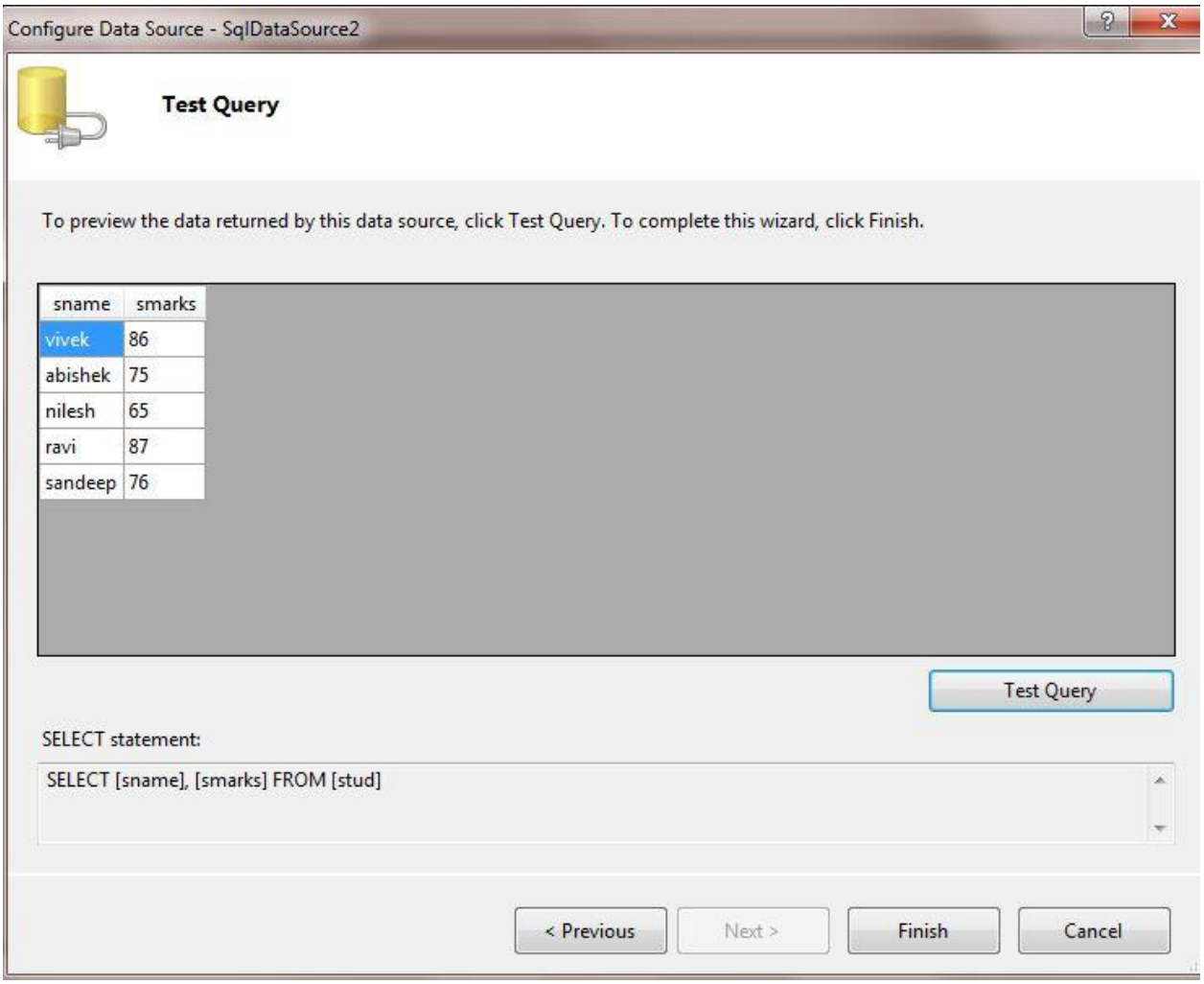
Step 5 :


Configure Data Source - SqlDataSource2
Configure the Select Statement
How would you like to retrieve data from your database?
Specify a custom SQL statement or stored procedure
Specify columns from a table or view
Name:
stud
Columns:
*
sid
sname
smarks
Return only unique rows
WHERE...
ORDER BY...
Advanced...
SELECT statement:
SELECT [sname], [smarks] FROM [stud]
< Previous
Next >
Finish
Cancel

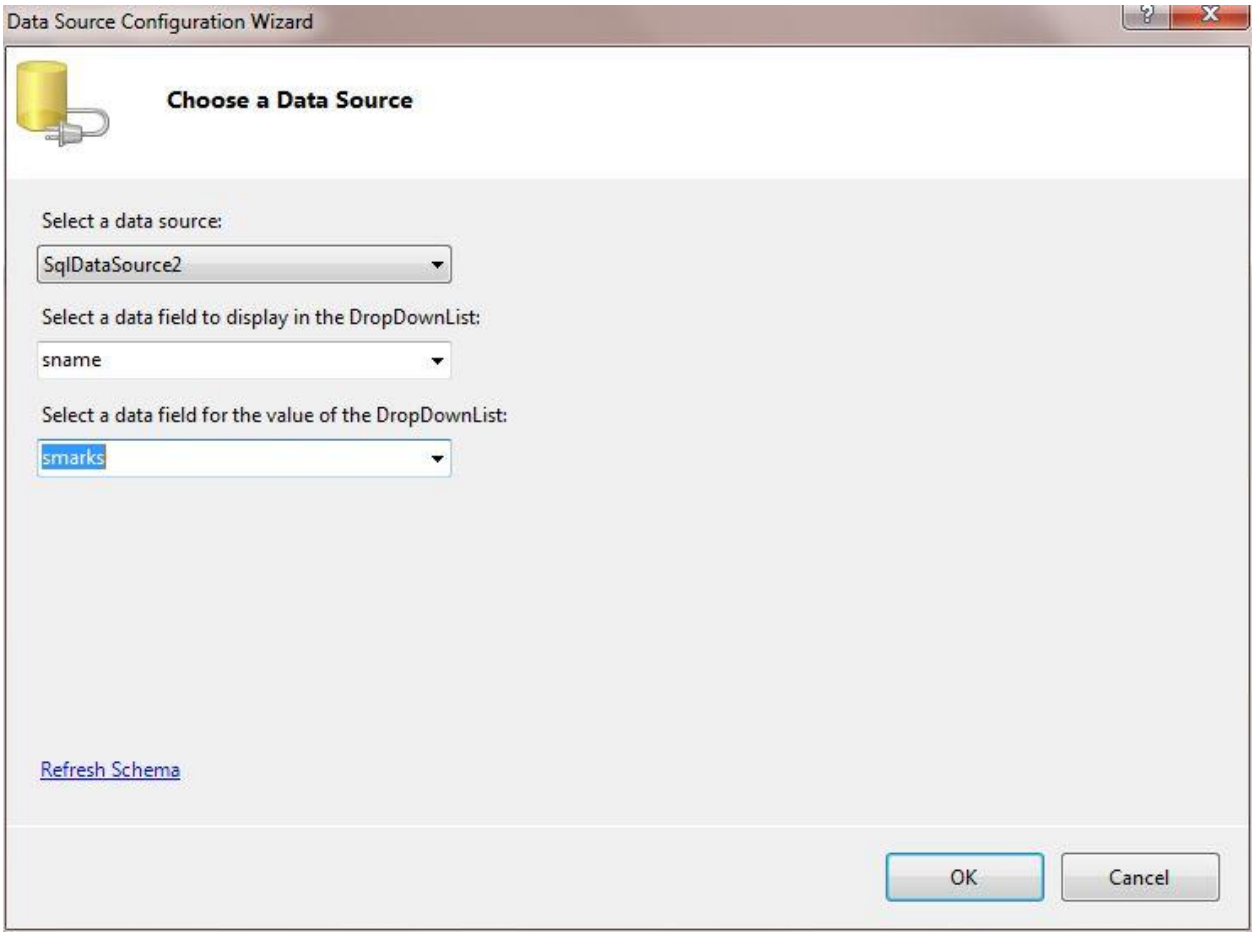
Step 6:


Configure Data Source - SqlDataSource2
Test Query
To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.
Test Query
SELECT statement:
SELECT [sname], [smarks] FROM [stud]
< Previous
Next >
Finish
Cancel

Step 7:

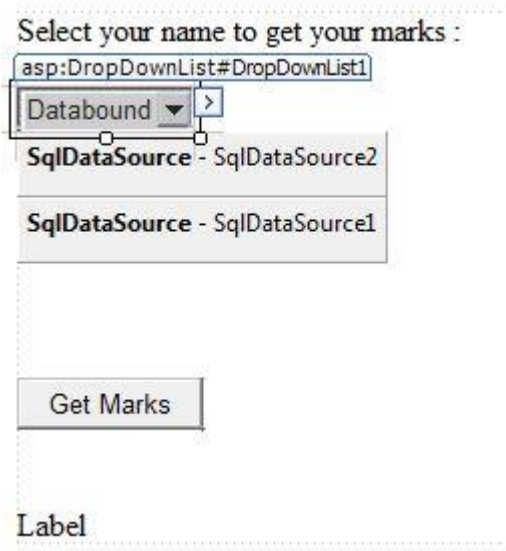

Configure Data Source - SqlDataSource2
Test Query
To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.
sname
smarks
vivek
86
abishek
75
nilesh
65
ravi
87
sandeep
76
Test Query
SELECT statement:
SELECT [sname], [smarks] FROM [stud]
< Previous
Next >
Finish
Cancel

Step8:

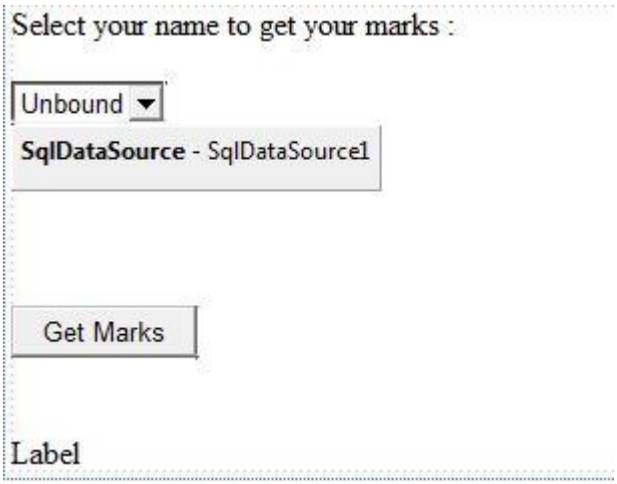

Data Source Configuration Wizard
Choose a Data Source
Select a data source:
SqlDataSource2
Select a data field to display in the DropDownList:
sname
Select a data field for the value of the DropDownList:
smarks
Refresh Schema
OK
Cancel

Step 9 :

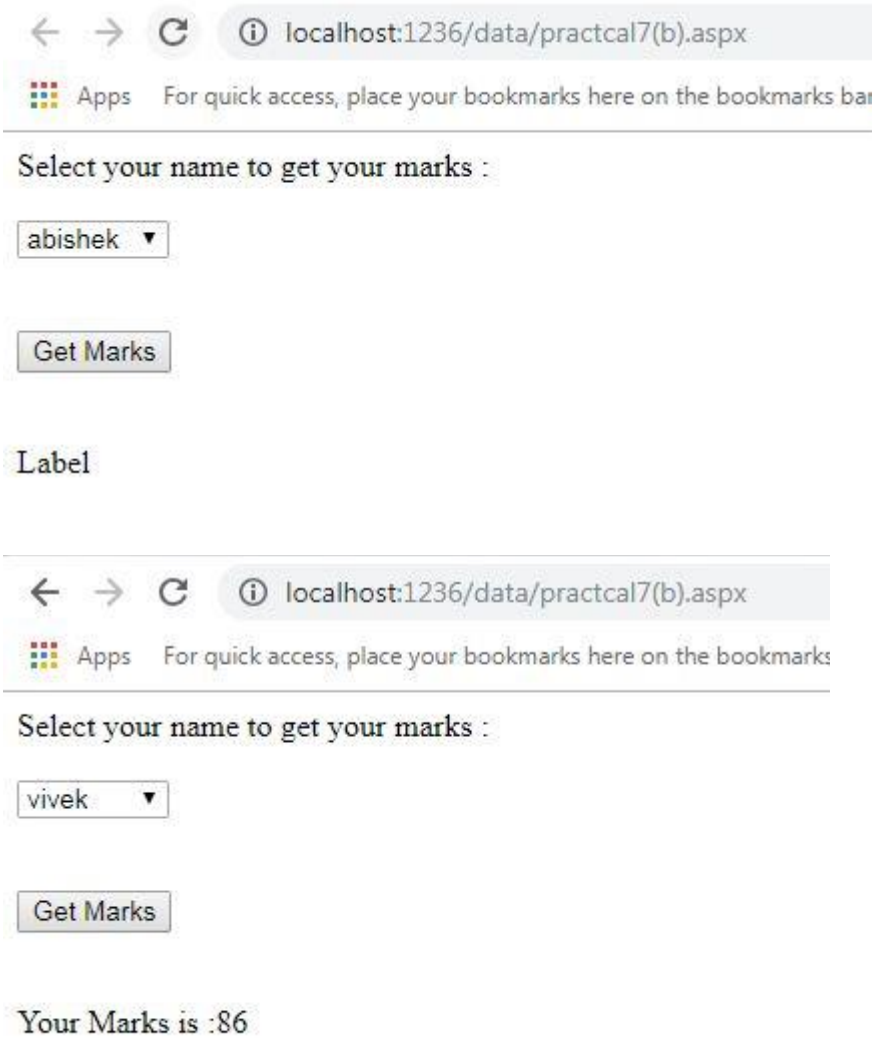
2)


Select your name to get your marks :
asp:DropDownList#DropDownList1
Databound
SqlDataSource - SqlDataSource2
SqlDataSource - SqlDataSource1
Get Marks
Label

1)


Select your name to get your marks :
Unbound
SqlDataSource - SqlDataSource1
Get Marks
Label

Output :


localhost:1236/data/practcal7(b).aspx
Apps
For quick access, place your bookmarks here on the bookmarks ba
Select your name to get your marks :
abishek
Get Marks
Label
localhost:1236/data/practcal7(b).aspx
Apps
For quick access, place your bookmarks here on the bookmarks
Select your name to get your marks :
vivek
Get Marks
Your Marks is :86

Practical No.7(c)

Problem Statement :- Create a web application for inserting and deleting record from a database.(Using Execute –Non Query).

Web.config :

```
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->

<configuration>

    <system.web>
        <compilation debug="false" targetFramework="4.0" />
    </system.web>
  <connectionStrings>
    <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
  </connectionStrings>

</configuration>
```

Source code :

Practical7(c).aspx :

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical7(c).aspx.cs"
Inherits="practical7_c_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
```

```
    <div>

        <asp:Label ID="Label1" runat="server" Text="Enter student ID :"></asp:Label>
 
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        <br />
        <asp:Label ID="Label2" runat="server" Text="Enter student name :"></asp:Label>
 
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
        <br />
        <br />
        <asp:Label ID="Label3" runat="server" Text="Enter student marks :"></asp:Label>
 
        <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
        <br />
        <br />
        <asp:Label ID="Label4" runat="server" Text="Label"></asp:Label>
        <br />
        <br />
        <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
            Text="Insert Record" />
   
        <asp:Button ID="Button2" runat="server" onclick="Button2_Click"
            Text="delete Record" />

    </div>
    </form>
</body>
</html>
```

Practical7(c).aspx.cs :

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
```

```
public partial class practical7_c_ : System.Web.UI.Page
```

```
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        string connStr =
        ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        string InsertQuery = "insert into stud values(@sid,@sname,@smarks)";
        SqlCommand cmd = new SqlCommand(InsertQuery, con);
        cmd.Parameters.AddWithValue("@sid", TextBox1.Text);
        cmd.Parameters.AddWithValue("@sname", TextBox2.Text);
        cmd.Parameters.AddWithValue("@smarks", TextBox3.Text);
        con.Open();

        cmd.ExecuteNonQuery();
        Label4.Text = "Recored Inserted Successfully";
        con.Close();


    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        string connStr =
        ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        string InsertQuery = "delete from stud where sid=@sid";
        SqlCommand cmd = new SqlCommand(InsertQuery, con);
        cmd.Parameters.AddWithValue("@sid", TextBox1.Text);
       // cmd.Parameters.AddWithValue("@sname", TextBox2.Text);
       // cmd.Parameters.AddWithValue("@smarks", TextBox3.Text);

        con.Open();
        cmd.ExecuteNonQuery();

        Label4.Text = "Recored Deleted Successfully";
        con.Close();
    }
}
```

Design..practical7(c) :

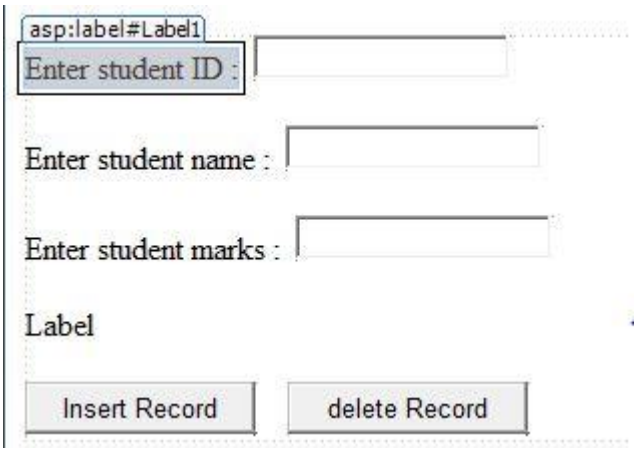
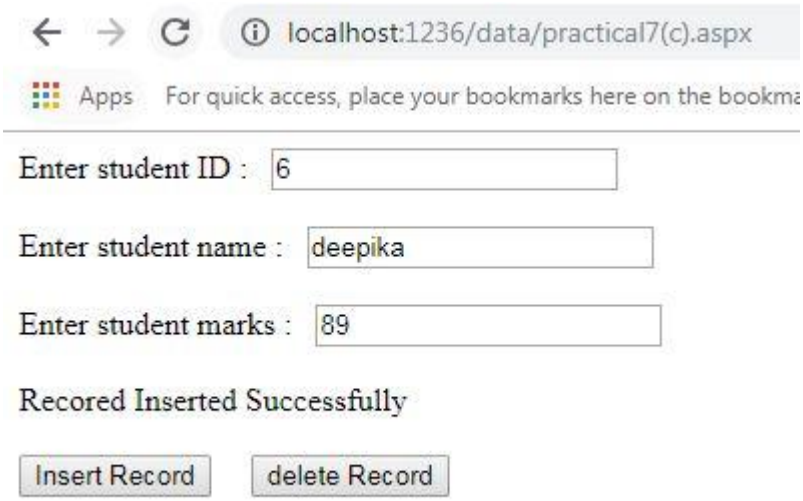


Table :

	sid	sname	smarks
▶	1	vivek	86
	2	abishek	75
	3	nilesh	65
	4	ravi	87
	5	sandeep	76
*	NULL	NULL	NULL

Output :

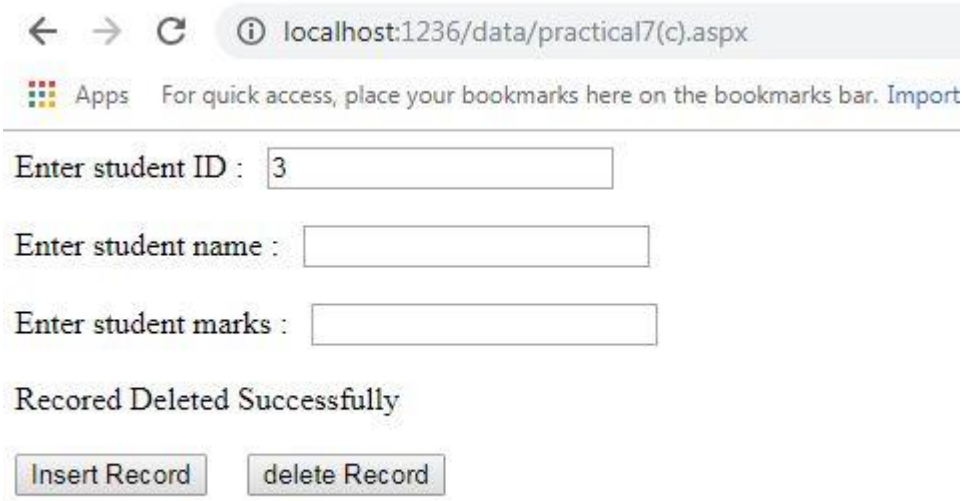
When you **insert** record in **table** :



The **table** will be :

	sid	sname	smarks
▶	1	vivek	86
	2	abishek	75
	3	nilesh	65
	4	ravi	87
	5	sandeep	76
	6	deepika	89
*	*NULL*	*NULL*	*NULL*

When you **delete** some records in **table** :



The **table** will be :

	sid	sname	smarks
▶	1	vivek	86
	2	abishek	75
	4	ravi	87
	5	sandeep	76
	6	deepika	89
*	*NULL*	*NULL*	*NULL*

Practical No.8(a)

Problem Statement : Create a web application to demonstrate various uses and properties of SqlDataSource

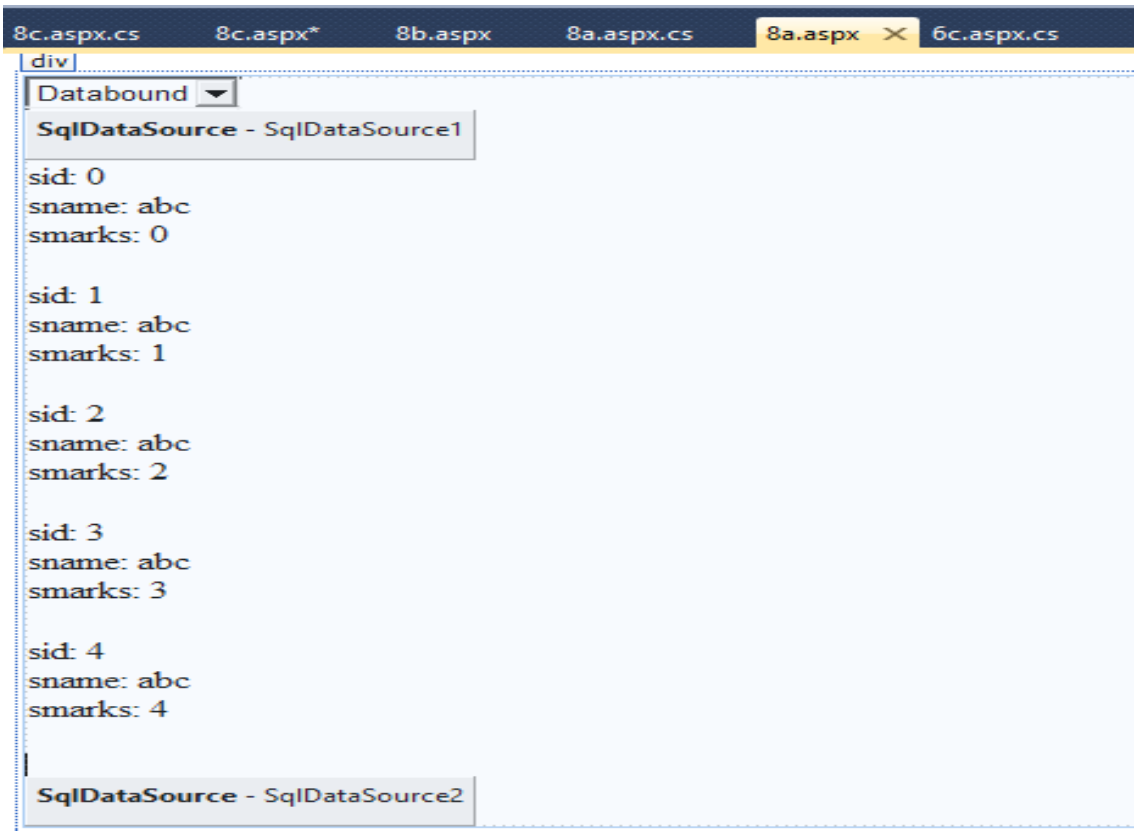
Source code :

8a.aspx.cs :

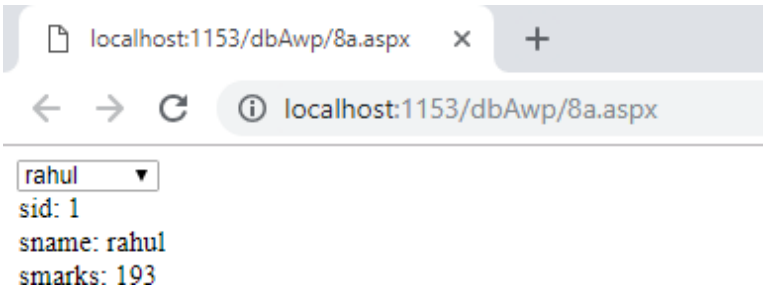
```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="8a.aspx.cs" Inherits="_8a" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>

        <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
            DataSourceID="SqlDataSource1" DataTextField="sname"
            DataValueField="sname"
            onselectedindexchanged="DropDownList1_SelectedIndexChanged">
        </asp:DropDownList>
        <asp:SqlDataSource ID="SqlDataSource1" runat="server"
            ConnectionString="Data Source=DESKTOP-
            E28D6T8;Initial
Catalog=AwpPractical;Integrated Security=True"
            ProviderName="System.Data.SqlClient"
            SelectCommand="SELECT [sname] FROM [student]"></asp:SqlDataSource>
        <asp:DataList ID="DataList1" runat="server" DataSourceID="SqlDataSource2">
            <ItemTemplate
                > sid:
                <asp:Label ID="sidLabel" runat="server" Text='<%# Eval("sid") %>' />
                <br />
                sname
                :
                <asp:Label ID="snameLabel" runat="server" Text='<%# Eval("sname") %>' />
                <br />
                smarks:
                <asp:Label ID="smarksLabel" runat="server" Text='<%# Eval("smarks") %>'
/>
```

```
<br />
                    <br />

                </ItemTemplate
                        >
            </asp:DataList>
            <br />
            <asp:SqlDataSource ID="SqlDataSource2" runat="server"
             ConnectionString="Data Source=DESKTOP-
             E28D6T8;Initial
Catalog=AwpPractical;Integrated Security=True"
                ProviderName="System.Data.SqlClient"
                SelectCommand="SELECT * FROM [student] WHERE ([sname] = @sname)" >
                <SelectParameters>
                    <asp:ControlParameter ControlID="DropDownList1"
                        Name="sname" PropertyName="SelectedValue"
                        Type="String" />
                </SelectParameters>
            </asp:SqlDataSource>

      </div>
    </form>
</body>
</html>
```

Design…..8(a)



Output:



PracticalNo.8(b)

Problem statements :- Create a web application to demonstrate data binding using Details View and Form View Control

Web.config :

```
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
        <system.web>
                <compilation debug="true" targetFramework="4.0"/>
        </system.web>
        <connectionStrings>
                <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
        </connectionStrings>
</configuration>
```

Source code :

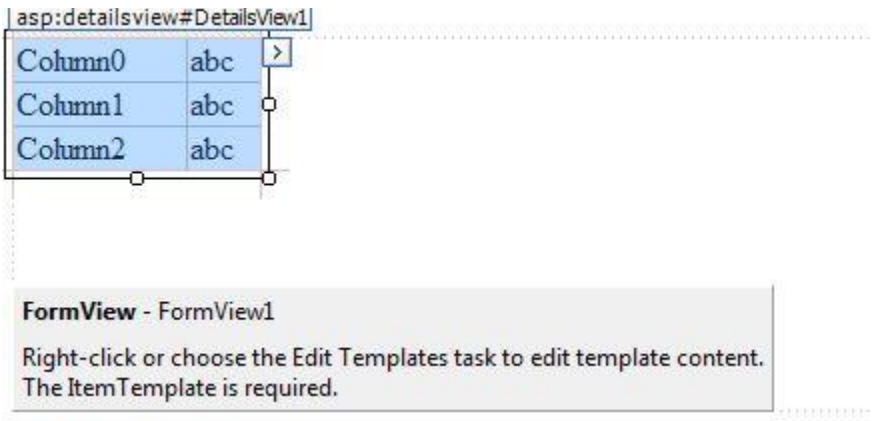
Practical8(b).aspx :

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical8(b).aspx.cs"
Inherits="practical8_b_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>

      <asp:DetailsView ID="DetailsView1" runat="server" AutoGenerateRows="False"
```

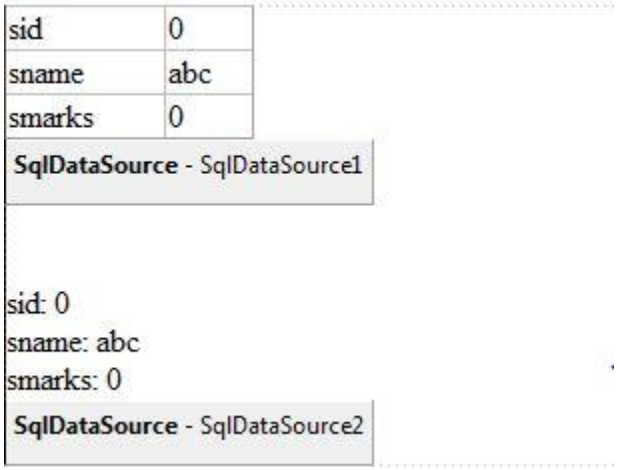
```
        DataKeyNames="sid" DataSourceID="SqlDataSource1" Height="50px"
Width="125px">
        <Fields>
            <asp:BoundField DataField="sid" HeaderText="sid" ReadOnly="True"
                SortExpression="sid" />
            <asp:BoundField DataField="sname" HeaderText="sname" SortExpression="sname"
/>
            <asp:BoundField DataField="smarks" HeaderText="smarks"
                SortExpression="smarks" />
        </Fields>
    </asp:DetailsView>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server"
        ConnectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Data.mdf;Integrated
Security=True;User Instance=True"
        ProviderName="System.Data.SqlClient" SelectCommand="SELECT * FROM [stud]">
    </asp:SqlDataSource>
    <br />
    <asp:FormView ID="FormView1" runat="server" DataKeyNames="sid"
        DataSourceID="SqlDataSource2">
        <EditItemTemplate>
            sid:
            <asp:Label ID="sidLabel1" runat="server" Text='<%# Eval("sid") %>' />
            <br />
            sname:
            <asp:TextBox ID="snameTextBox" runat="server" Text='<%# Bind("sname") %>' />
            <br />
            smarks:
            <asp:TextBox ID="smarksTextBox" runat="server" Text='<%# Bind("smarks") %>' />
            <br />
            <asp:LinkButton ID="UpdateButton" runat="server" CausesValidation="True"
                CommandName="Update" Text="Update" />
             <asp:LinkButton ID="UpdateCancelButton" runat="server"
                CausesValidation="False" CommandName="Cancel" Text="Cancel" />
        </EditItemTemplate>
        <InsertItemTemplate>
            sid:
            <asp:TextBox ID="sidTextBox" runat="server" Text='<%# Bind("sid") %>' />
            <br />
            sname:
            <asp:TextBox ID="snameTextBox" runat="server" Text='<%# Bind("sname") %>' />
            <br />
            smarks:
            <asp:TextBox ID="smarksTextBox" runat="server" Text='<%# Bind("smarks") %>' />
            <br />
            <asp:LinkButton ID="InsertButton" runat="server" CausesValidation="True"
```

```
            CommandName="Insert" Text="Insert" />
           <asp:LinkButton ID="InsertCancelButton" runat="server"
            CausesValidation="False" CommandName="Cancel" Text="Cancel" />
        </InsertItemTemplate>
        <ItemTemplate>
          sid:
          <asp:Label ID="sidLabel" runat="server" Text='<%# Eval("sid") %>' />
          <br />
          sname:
          <asp:Label ID="snameLabel" runat="server" Text='<%# Bind("sname") %>' />
          <br />
          smarks:
          <asp:Label ID="smarksLabel" runat="server" Text='<%# Bind("smarks") %>' />
          <br />

        </ItemTemplate>
      </asp:FormView>
      <asp:SqlDataSource ID="SqlDataSource2" runat="server"
        ConnectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Data.mdf;Integrated
Security=True;User Instance=True"
        ProviderName="System.Data.SqlClient" SelectCommand="SELECT * FROM [stud]">
      </asp:SqlDataSource>

    </div>
    </form>
</body>
</html>
```

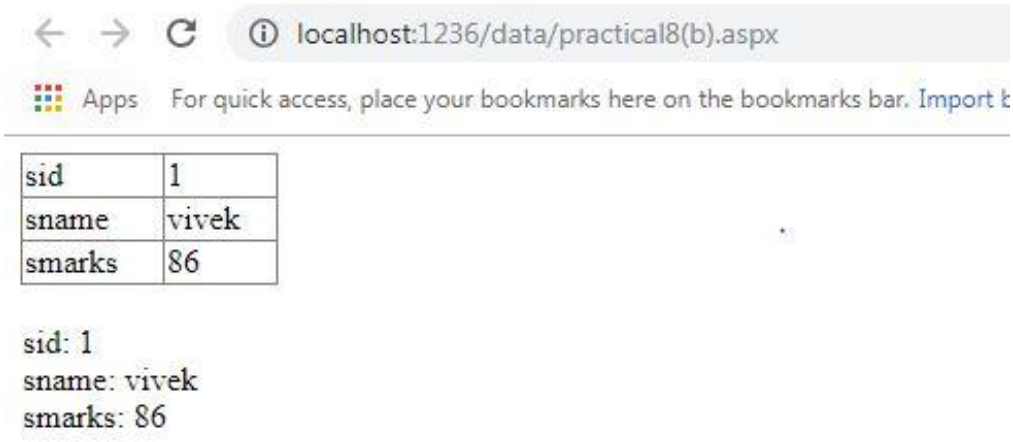
Design …<u>practical8(b):</u>



After adding the **controls**,configure the **Data Source property** of these controls in similar manner as explained in **practical 6(a)**



Output :



Practical No.8(c)

Problem Statement :-Create a web application to display Using Disconnected Data Access and Databinding using **Gridview**

Web.config :

```
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
        <system.web>
                <compilation debug="true" targetFramework="4.0"/>
        </system.web>
        <connectionStrings>
                <add name="connStr" connectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=D:\sonu\TYIT\data\App_Data\Data.mdf;Integrated
Security=True;User Instance=True"></add>
        </connectionStrings>
</configuration>
```

Source code :

Practical8(c).aspx :

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="practical8(c).aspx.cs"
Inherits="practical8_c_" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>

      <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
         style="margin-bottom: 0px" Text="Show Disconnected Fetched Data"
         Width="210px" />
      <br />
```

```
        <br />
           
        <br />
             
        <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
            CellPadding="4" DataKeyNames="sid"
#“Both DataSource and DataSourceID are defined on 'GridView1'.  Remove one definition.”
            ForeColor="#333333" GridLines="None">
            <AlternatingRowStyle BackColor="White" />
            <Columns>
                <asp:BoundField DataField="sid" HeaderText="sid" ReadOnly="True"
                    SortExpression="sid" />
                <asp:BoundField DataField="sname" HeaderText="sname" SortExpression="sname"
/>
                <asp:BoundField DataField="smarks" HeaderText="smarks"
                    SortExpression="smarks" />
            </Columns>
            <FooterStyle BackColor="#990000" Font-Bold="True" ForeColor="White" />
            <HeaderStyle BackColor="#990000" Font-Bold="True" ForeColor="White" />
            <PagerStyle BackColor="#FFCC66" ForeColor="#333333" HorizontalAlign="Center" />
            <RowStyle BackColor="#FFFBD6" ForeColor="#333333" />
            <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True" ForeColor="Navy" />
            <SortedAscendingCellStyle BackColor="#FDF5AC" />
            <SortedAscendingHeaderStyle BackColor="#4D0000" />
            <SortedDescendingCellStyle BackColor="#FCF6C0" />
            <SortedDescendingHeaderStyle BackColor="#820000" />
        </asp:GridView>
        <asp:SqlDataSource ID="SqlDataSource1" runat="server"
            ConnectionString="Data
Source=.\SQLEXPRESS;AttachDbFilename=|DataDirectory|\Data.mdf;Integrated
Security=True;User Instance=True"
            ProviderName="System.Data.SqlClient" SelectCommand="SELECT * FROM [stud]">
        </asp:SqlDataSource>

    </div>
    </form>
</body>
</html>
```

Practical8(c).aspx.cs :

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;

public partial class practical8_c_ : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        string connStr = ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
        SqlConnection con = new SqlConnection(connStr);
        SqlDataAdapter objDa = new SqlDataAdapter();
        DataSet objDas = new DataSet();
        using (SqlConnection objConn = new SqlConnection(connStr))
        {
            SqlCommand objCmd = new SqlCommand("select * from stud", objConn);
            objCmd.CommandType= CommandType.Text;
            objDa.SelectCommand = objCmd;
            objDa.Fill(objDas, "stud");
            GridView1.DataSource = objDas.Tables[0];
            GridView1.DataBind();

        }



    }
}
```

Design ….<u>practical8</u>(c):

show Disconnected Fetched Data

Column0	Column1	Column2
abc	abc	abc
abc	abc	abc
abc	abc	abc
abc	abc	abc
abc	abc	abc

-

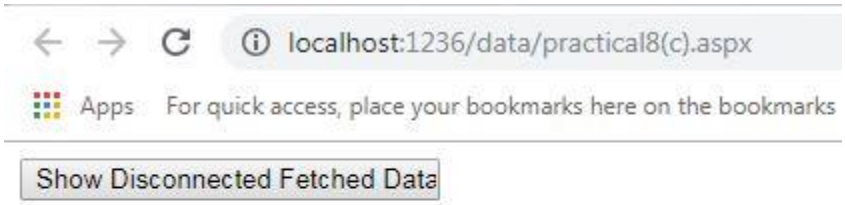
Show Disconnected Fetched Data

sid	sname	smarks
Databound	Databound	Databound
Databound	Databound	Databound
Databound	Databound	Databound
Databound	Databound	Databound
Databound	Databound	Databound

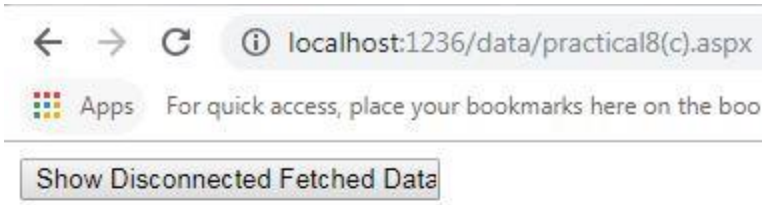
SqlDataSource - SqlDataSource1

Output :

1)



2)



sid	sname	smarks
1	vivek	86
2	abishek	75
4	ravi	87
5	sandeep	76
6	deepika	89

Practical No :9(a)

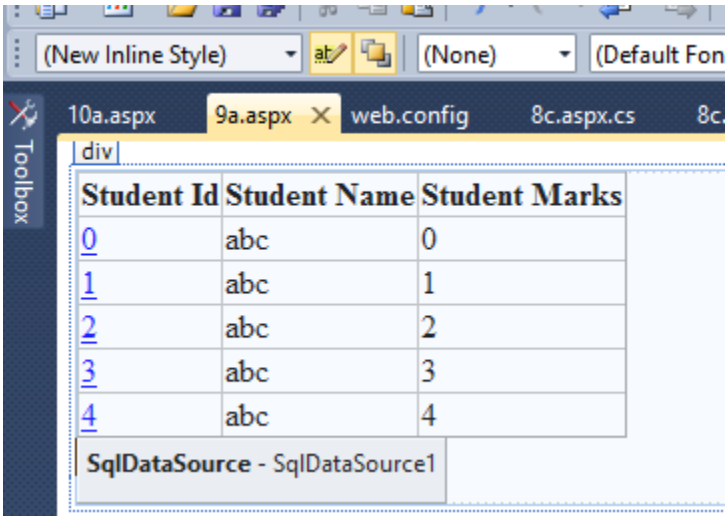
Problem statements :Create a web application to demonstrate use of GridView control template and GridView hyperlink.

Source code :

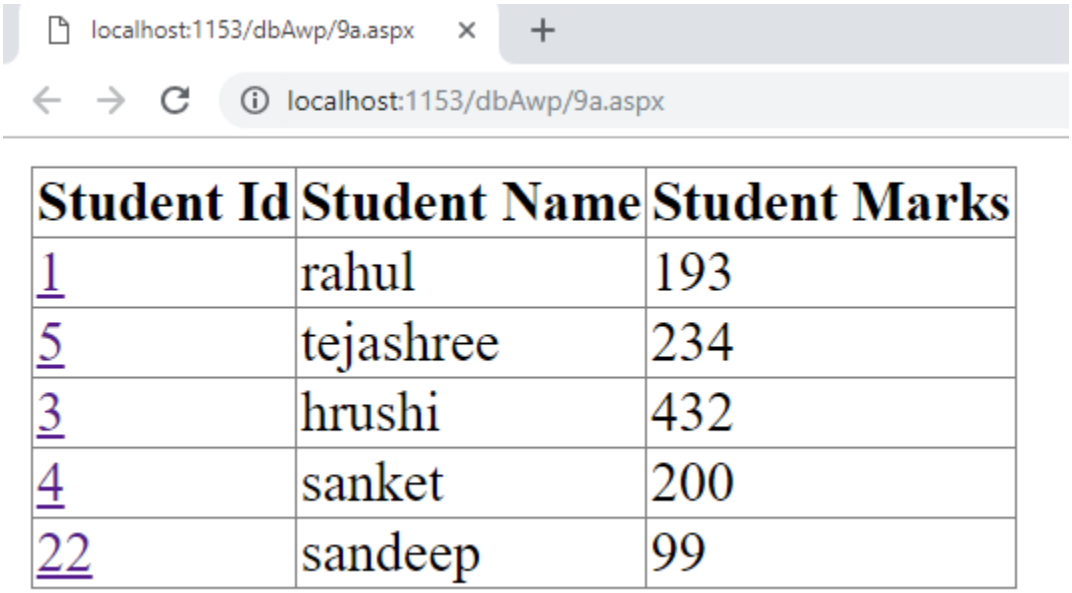
9a.aspx

```
<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="9a.aspx.cs"Inherits="_9a"%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD XHTML 1.0
Transitional//EN""http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<htmlxmlns="http://www.w3.org/1999/xhtml">
<headrunat="server">
<title></title>
</head>
<body>
<formid="form1"runat="server">
<div>
<asp:GridViewID="GridView1"runat="server"AutoGenerateColumns="False"
DataSourceID="SqlDataSource1">
<Columns>
<asp:HyperLinkFieldDataTextField="sid"HeaderText="Student Id"
NavigateUrl="~/7a.aspx"/>
<asp:BoundFieldDataField="sname"HeaderText="Student Name"
SortExpression="sname"/>
<asp:BoundFieldDataField="smarks"HeaderText="Student Marks"
SortExpression="smarks"/>
</Columns>
</asp:GridView>
<asp:SqlDataSourceID="SqlDataSource1"runat="server"
ConnectionString="<%$ConnectionStrings:ConnectString%>"
SelectCommand="SELECT * FROM [student]"></asp:SqlDataSource>
</div>
</form>
</body>
</html>
```

Design….9(a)



Output:



Student Id	Student Name	Student Marks
1	rahul	193
5	tejashree	234
3	hrushi	432
4	sanket	200
22	sandeep	99

Practical No.10(a)

Problem statements : Create a web application to demonstrate reading and writing operation with XML.

Add -> new Item -> Xml file

Add two xml files to your application

1)**XMLfile.xml**

```
<?xml version="1.0" encoding="utf-8" ?>
<student>
  <name>xyz</name>
  <roll>1</roll>
  </student>
```

2) **XMLFile2.xml**

Keep this files is empty for writing puropose

Source code :

10(a).apsx

```
<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="10a.aspx.cs"Inherits="_10a"%>

<!DOCTYPEhtmlPUBLIC"-//W3C//DTD XHTML 1.0
Transitional//EN""http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<htmlxmlns="http://www.w3.org/1999/xhtml">
<headrunat="server">
```

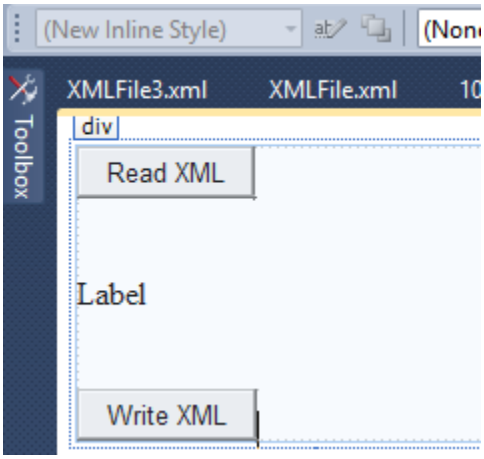
```
<title></title>
</head>
<body>
<formid="form1"runat="server">
<div>
<asp:ButtonID="Button1"runat="server"Text="Read XML"
onclick="Button1_Click"/>
<br/>
<br/>
<br/>
<asp:LabelID="Label1"runat="server"Text="Label"></asp:Label>
<br/>
<br/>
<br/>
<asp:ButtonID="Button2"runat="server"Text="Write XML"
onclick="Button2_Click"/>
</div>
</form>
</body>
</html>
```

10a.aspx.cs

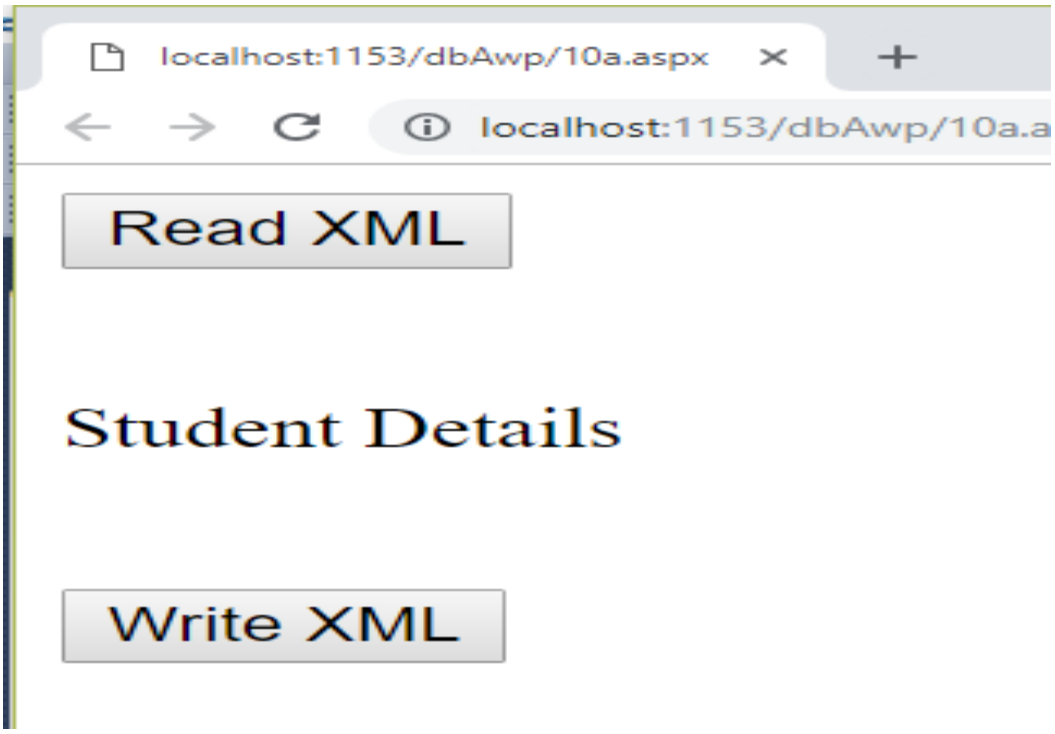
```
using System;
usingSystem.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Xml;

publicpartialclass_10a : System.Web.UI.Page
{
protectedvoid Page_Load(object sender, EventArgs e)
   {

   }
protectedvoid Button1_Click(object sender, EventArgs e)
   {
XmlReader red = XmlReader.Create(@"C:\Users\Admin\Documents\Visual Studio
2010\WebSites\dbAwp\XMLFile.xml");
while (red.Read())
      {
if (red.NodeType.Equals(XmlNodeType.Element))
```

```
            {
string s = Label1.Text + "";
                Label1.Text = s + red.Name;
            }
        }
red.Close();

    }
protectedvoid Button2_Click(object sender, EventArgs e)
    {
XmlWriterSettings set = newXmlWriterSettings();
set.Indent = true;
XmlWriter wr = XmlWriter.Create(@"C:\Users\Admin\Documents\Visual Studio
2010\WebSites\dbAwp\XMLFile3.xml", set);
wr.WriteStartDocument();
wr.WriteComment("EXAMPLE OF WRITE A XML DOCUMENT");
wr.WriteStartElement("student");
wr.WriteEndElement();

    }
}
```

Design…<u>10(a)</u>



Output:


localhost:1153/dbAwp/10a.aspx
localhost:1153/dbAwp/10a.a
Read XML
Student Details
Write XML

Practical no:11

Problem statements : Program to create and use dll file

Source Code :

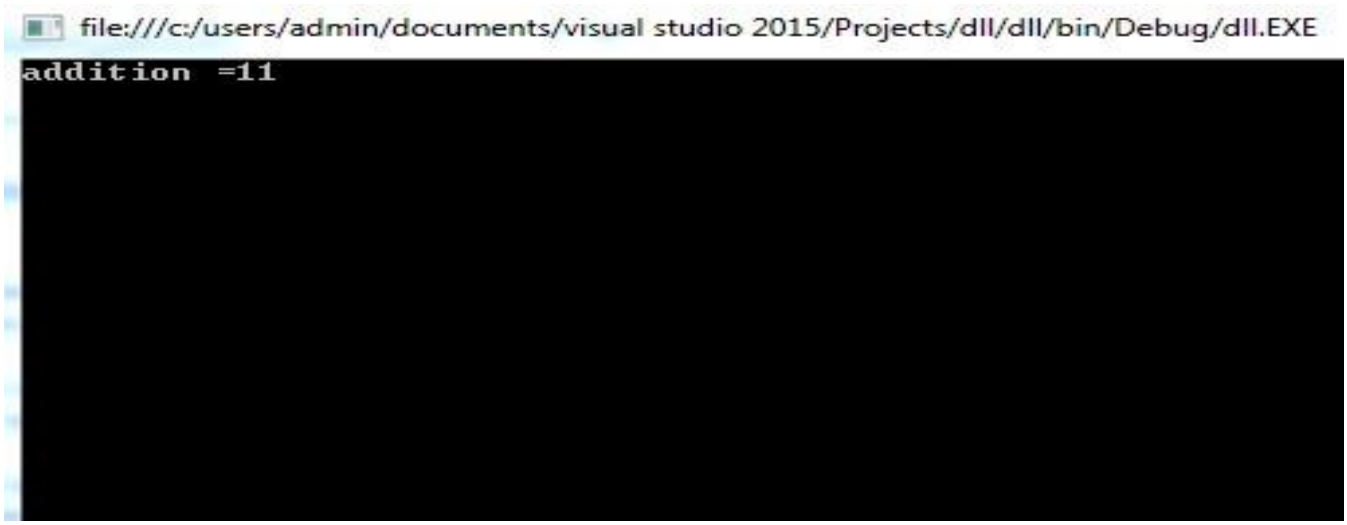
class1.cs dll:

```
using System;
using System.Collections.Generic;
using System.Linq;
 using System.Text;
 using System.Threading.Tasks;

namespace ClassLibrary1
{
  publicclassClass1
    {
      Public int addition(int a , int b)
          {
           int c = a + b;
           return c;
          }
    }
}
```

program.cs:

```
using System;
usingSystem.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace dll
 {
     classProgram
             {
               Static void Main(string[] args)
                 {
                     ClassLibrary1.Class1 a = new ClassLibrary1.Class1();
                     int c = a.addition(5, 6);
                     Console.WriteLine("addition =" + c);
                     Console.ReadKey();
      }
   }
}
```

Output :


file:///c:/users/admin/documents/visual studio 2015/Projects/dll/dll/bin/Debug/dll.EXE
addition =11