

Practical No. 6

Working with Database.

a) Create a Web Application for inserting and deleting record from a database. (Use table: Customer)

Customer.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Customer.aspx.cs"
Inherits="database.Customer" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            width: 100%;
        }
        .auto-style2 {
            width: 201px;
        }
        .auto-style3 {
            width: 201px;
            height: 23px;
        }
        .auto-style4 {
            height: 23px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <table class="auto-style1">
                <tr>
                    <td class="auto-style2">Customer ID</td>
                    <td> <asp:DropDownList ID="DropDownList1" runat="server">

                        <asp:ListItem>C101</asp:ListItem>
                        <asp:ListItem>C102</asp:ListItem>
                        <asp:ListItem>C103</asp:ListItem>
                        <asp:ListItem>C104</asp:ListItem>
                        <asp:ListItem>C105</asp:ListItem>
                        <asp:ListItem>C106</asp:ListItem>
                        <asp:ListItem>C107</asp:ListItem>
                        <asp:ListItem>C108</asp:ListItem>

                    </td>
                </tr>
            </table>
        </div>
    </form>
</body>
</html>
```

```

        <asp:ListItem>C109</asp:ListItem>
        <asp:ListItem>C110</asp:ListItem>
    </asp:DropDownList>
</td>
</tr>
<tr>
    <td class="auto-style2">Customer Name</td>
    <td>
        <asp:TextBox ID="txtname" runat="server"></asp:TextBox>
    </td>
</tr>
<tr>
    <td class="auto-style2">Customer City</td>
    <td>
        <asp:TextBox ID="txtcity" runat="server"></asp:TextBox>
    </td>
</tr>
<tr>
    <td class="auto-style2">Customer phone no.</td>
    <td>
        <asp:TextBox ID="txtphone" runat="server"></asp:TextBox>
    </td>
</tr>
<tr>
    <td class="auto-style3" colspan="2">&nbsp;
        <asp:Button ID="btninsert" runat="server" Text="INSERT"
OnClick="Button1_Click" />&nbsp;
        <asp:Button ID="btndelete" runat="server" Text="DELETE"
OnClick="btndelete_Click" />&nbsp;
        <asp:Button ID="btngetmob" runat="server" Text="Get Mobile No."
OnClick="btngetmob_Click" />&nbsp;
        <asp:Button ID="btnshow" runat="server" Text="Show Table data"
OnClick="btnshow_Click" />
        <br />
        <asp:Label ID="lblres" runat="server" Text="Label"
Visible="False"></asp:Label>
        <br />
        <asp:GridView ID="GridView1" runat="server">
        </asp:GridView>
    </td>
    <td class="auto-style4" colspan="2"></td>
</tr>
</table>
</div>
</form>
</body>
</html>

```

Customer.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;

namespace database
{
    public partial class Customer : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        { }
        protected void btninsert_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source =
(LocalDB)\\MSSQLLocalDB; AttachDbFilename =
C:\\Users\\AMISH\\source\\repos\\database\\database\\App_Data\\Database1.mdf; Integrated
Security = True");
            string insert_query = "insert into Customer values(@custid,@custname,@custphone)";
            SqlCommand cmd = new SqlCommand(insert_query, con);
            cmd.Parameters.AddWithValue("@custid", DropDownList1.SelectedValue);
            cmd.Parameters.AddWithValue("@custname", txtname.Text);
            cmd.Parameters.AddWithValue("@custcity", txtcity.Text);
            cmd.Parameters.AddWithValue("@custphone", txtphone.Text);
            con.Open();
            cmd.ExecuteNonQuery();
            lblres.Text = " 1 record inserted .....";
            lblres.Visible = true;
            display();
            con.Close();
        }
        protected void btndelete_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data Source =
(LocalDB)\\MSSQLLocalDB; AttachDbFilename =
C:\\Users\\AMISH\\source\\repos\\database\\database\\App_Data\\Database1.mdf; Integrated
Security = True");
            string delete_query = "delete from Customer where custid = @custid";
            SqlCommand cmd = new SqlCommand(delete_query, con);
            cmd.Parameters.AddWithValue("@custid", DropDownList1.SelectedValue);
            con.Open();
            cmd.ExecuteNonQuery();
            lblres.Text = " 1 record deleted .....";
        }
    }
}
```

```

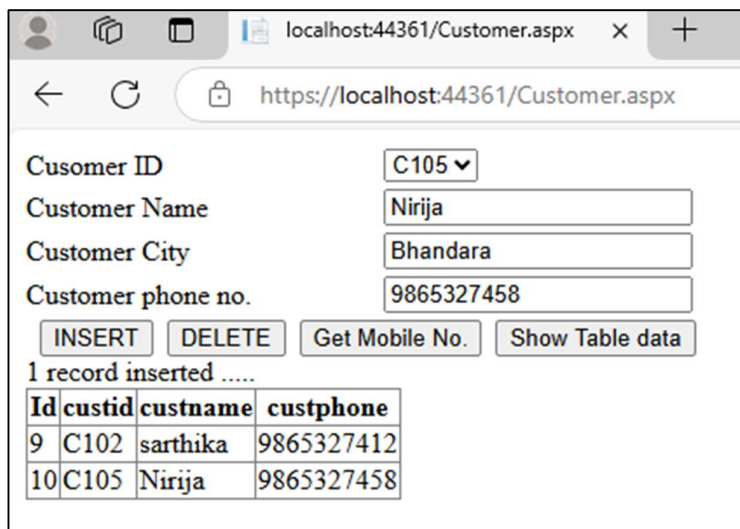
        lblres.Visible = true;
        display();
        con.Close();
    }
    public void display()
    {
        SqlConnection con = new SqlConnection("Data Source =
(LocalDB)\\MSSQLLocalDB; AttachDbFilename =
C:\\Users\\AMISH\\source\\repos\\database\\database\\App_Data\\Database1.mdf; Integrated
Security = True");
        SqlCommand cmd = new SqlCommand("select * from Customer", con);
        con.Open();
        cmd.ExecuteNonQuery();
        DataTable dt = new DataTable();
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        da.Fill(dt);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }
    protected void btnshow_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection("Data Source =
(LocalDB)\\MSSQLLocalDB; AttachDbFilename =
C:\\Users\\AMISH\\source\\repos\\database\\database\\App_Data\\Database1.mdf; Integrated
Security = True");
        SqlCommand cmd = new SqlCommand("select * from Customer", con);
        con.Open();
        cmd.ExecuteNonQuery();
        DataTable dt = new DataTable();
        SqlDataAdapter da = new SqlDataAdapter(cmd);
        da.Fill(dt);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }
    protected void btngetmob_Click(object sender, EventArgs e)
    {
        lblres.Text = "Customer Phooone no. is:" + DropDownList1.SelectedValue;
        lblres.Visible = true;
    }
}
}

```

Customer Table

```
CREATE TABLE [dbo].[Customer] (  
    [Id] INT IDENTITY (1, 1) NOT NULL,  
    [custid] VARCHAR (50) NULL,  
    [custname] VARCHAR (50) NULL,  
    [custphone] BIGINT NULL,  
    PRIMARY KEY CLUSTERED ([Id] ASC)  
);
```

Output:



Customer ID: C105 ▼

Customer Name: Nirija

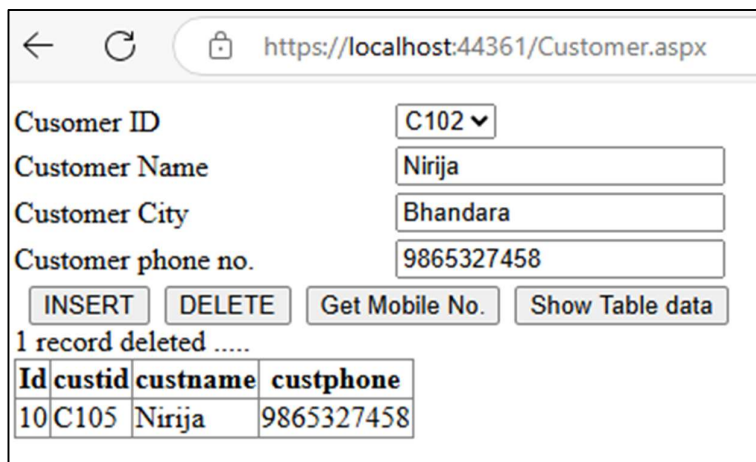
Customer City: Bhandara

Customer phone no.: 9865327458

INSERT DELETE Get Mobile No. Show Table data

1 record inserted

	Id	custid	custname	custphone
9	C102	sarthika		9865327412
10	C105	Nirija		9865327458



Customer ID: C102 ▼

Customer Name: Nirija

Customer City: Bhandara

Customer phone no.: 9865327458

INSERT DELETE Get Mobile No. Show Table data

1 record deleted

	Id	custid	custname	custphone
10	C105	Nirija		9865327458

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Cusomer ID

Customer Name

Customer City

Customer phone no.

Customer Phone no. is:C104

Id	custid	custname	custphone
10	C105	Nirija	9865327458
11	C107	Daksha	9815327458
12	C109	Sayee	9815326458
13	C104	Swara	9815323458
14	C110	vibhuti	9815323458

Vehicle.aspx

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Vehicle.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;

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

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\AMISH\\source\\repos\\
\\DropDownListBinding\\DropDownListBinding\\App_Data\\Database1.mdf;Integrated
Security=True");
            string insert_query = "insert into Vehicle
values(@Vehicle_type,@Vehicle_color,@Vehicle_price)";
            SqlCommand cmd = new SqlCommand(insert_query, con);
            cmd.Parameters.AddWithValue("@Vehicle_type", DropDownList1.SelectedValue);
            cmd.Parameters.AddWithValue("@Vehicle_color", txtcolor.Text);
            cmd.Parameters.AddWithValue("@Vehicle_price", txtprice.Text);
            con.Open();
            cmd.ExecuteNonQuery();
            display();
            con.Close();

        }

        public void display()
        {
            SqlConnection con = new SqlConnection("Data Source =
(LocalDB)\\MSSQLLocalDB; AttachDbFilename =
C:\\Users\\AMISH\\source\\repos\\DropDownListBinding\\DropDownListBinding\\App_Dat
a\\Database1.mdf; Integrated Security = True");
            SqlCommand cmd = new SqlCommand("select * from Vehicle", con);
            con.Open();
            cmd.ExecuteNonQuery();
            DataTable dt = new DataTable();
```



```

        SqlDataAdapter da = new SqlDataAdapter(cmd);
        da.Fill(dt);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }

    protected void btndelete_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\AMISH\\source\\repos\\
\\DropDownListBinding\\DropDownListBinding\\App_Data\\Database1.mdf;Integrated
Security=True");
        string delete_query = "delete from Vehicle where Vehicle_type = @Vehicle_type";
        SqlCommand cmd = new SqlCommand(delete_query, con);
        cmd.Parameters.AddWithValue("@Vehicle_type", DropDownList1.SelectedValue);
        con.Open();
        cmd.ExecuteNonQuery();
        display();
        con.Close();
    }

    protected void btntype_Click(object sender, EventArgs e)
    {
        lblres.Text = "You have selected vehicle type:" + DropDownList1.SelectedValue;
        lblres.Visible = true;
    }
}
}

```

Vehicle Table

	Name	Data Type	Allow Nulls	Default	
1	Id	int	<input type="checkbox"/>		
2	Vehical_type	varchar(50)	<input checked="" type="checkbox"/>		
3	Vehicle_color	nvarchar(50)	<input checked="" type="checkbox"/>		
4	Vehicle_price	bigint	<input checked="" type="checkbox"/>		
5			<input type="checkbox"/>		

Design

T-SQL

```
1 CREATE TABLE [dbo].[Vehicle] (  
2     [Id] INT IDENTITY (1, 1) NOT NULL,  
3     [Vehical_type] VARCHAR (50) NULL,  
4     [Vehicle_color] NVARCHAR (50) NULL,  
5     [Vehicle_price] BIGINT NULL,  
6     PRIMARY KEY CLUSTERED ([Id] ASC)  
7 );
```

Output:

localhost:44318/Vehicle.aspx

https://localhost:44318/Vehicle.aspx

Vehicle Type

three-Whiler

Vehicle colour

red

Vehicle Price

5000

Id	Vehical_type	Vehicle_color	Vehicle_price
1	ghhgtj	bvnhb	354
2	two_wheeler	blue	5000
3	vbnvb	nv	24
4	gj	jg	56
6	cycle	pink	2500
7	three-Whiler	red	5000

click me

Insert

Delete

You have selected vehicle type:three-Whiler