Question No. 1) Develop web application with below registration form.

I. Create registration form with fields and validation for the given registration form.   
II. Create table structure for User.   
III. On the click of Save button data should be saved in database.  
IV. On the click of reset button data should be reset.  
V. On the click of edit button user details should get updated.  
VI.On the click of delete button user details should be deleted.





**Ans:**

1. Create registration form with fields and validation for the given registration form.

<table border="1" class="auto-style1">

<tr>

<td colspan="2">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Label ID="Label1" runat="server" Text="Registration Form"></asp:Label>

&nbsp;</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label7" runat="server" Text="User Name"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtUserName" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="txtUserName" ErrorMessage="\*User name must be requared"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label3" runat="server" Text="Password"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtPass" runat="server" TextMode="Password"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="txtPass" ErrorMessage="\*Password must requuired"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label4" runat="server" Text="Conform Password"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtConformPass" runat="server" TextMode="Password"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ControlToValidate="txtConformPass" Display="Dynamic" ErrorMessage="\*Conform Password required"></asp:RequiredFieldValidator>

&nbsp;

<asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="txtPass" ControlToValidate="txtConformPass" ErrorMessage="\*Password Missmatch"></asp:CompareValidator>

</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label5" runat="server" Text="First Name"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtFName" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" ControlToValidate="txtFName" ErrorMessage="\*First name must br required"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label6" runat="server" Text="Last Name"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtLName" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" ControlToValidate="txtLName" ErrorMessage="\* Last name must be requaired"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label8" runat="server" Text="Email"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtEmail" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator8" runat="server" ControlToValidate="txtEmail" ErrorMessage="Email must be required"></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ControlToValidate="txtEmail" ErrorMessage="\*Invalid Email" ValidationExpression="\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*"></asp:RegularExpressionValidator>

</td>

</tr>

<tr>

<td class="auto-style2">

<asp:Label ID="Label9" runat="server" Text="Phone"></asp:Label>

</td>

<td>

<asp:TextBox ID="txtPhon" runat="server" MaxLength="10" TextMode="Number"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator7" runat="server" ControlToValidate="txtPhon" ErrorMessage="Phone no must be required"></asp:RequiredFieldValidator>

<asp:CompareValidator ID="CompareValidator2" runat="server" ControlToValidate="txtPhon" ErrorMessage="\*Phone no must be in numeric format" Operator="DataTypeCheck" Type="Integer" ValueToCompare="10"></asp:CompareValidator>

</td>

</tr>

<tr>

<td class="auto-style3">

<asp:Label ID="Label10" runat="server" Text="Location"></asp:Label>

</td>

<td class="auto-style4">

<asp:TextBox ID="txtLocation" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator6" runat="server" ControlToValidate="txtLocation" ErrorMessage="\*Location Required"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td class="auto-style3">

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Save" />

</td>

<td class="auto-style4">

<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Reset" />

</td>

</tr>

</table>

1. Create table structure for User.

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" AutoGenerateDeleteButton="True" AutoGenerateEditButton="True" CellPadding="4" DataKeyNames="id" DataSourceID="SqlDataSource1" ForeColor="#333333" GridLines="None">

<AlternatingRowStyle BackColor="White" ForeColor="#284775" />

<Columns>

<asp:BoundField DataField="id" HeaderText="id" InsertVisible="False" ReadOnly="True" SortExpression="id" />

<asp:BoundField DataField="FirstName" HeaderText="FirstName" SortExpression="FirstName" />

<asp:BoundField DataField="LastName" HeaderText="LastName" SortExpression="LastName" />

<asp:BoundField DataField="Email" HeaderText="Email" SortExpression="Email" />

<asp:BoundField DataField="Phone" HeaderText="Phone" SortExpression="Phone" />

<asp:BoundField DataField="Location" HeaderText="Location" SortExpression="Location" />

</Columns>

<EditRowStyle BackColor="#999999" />

<FooterStyle BackColor="#5D7B9D" Font-Bold="True" ForeColor="White" />

<HeaderStyle BackColor="#5D7B9D" Font-Bold="True" ForeColor="White" />

<PagerStyle BackColor="#284775" ForeColor="White" HorizontalAlign="Center" />

<RowStyle BackColor="#F7F6F3" ForeColor="#333333" />

<SelectedRowStyle BackColor="#E2DED6" Font-Bold="True" ForeColor="#333333" />

<SortedAscendingCellStyle BackColor="#E9E7E2" />

<SortedAscendingHeaderStyle BackColor="#506C8C" />

<SortedDescendingCellStyle BackColor="#FFFDF8" />

<SortedDescendingHeaderStyle BackColor="#6F8DAE" />

</asp:GridView>

1. On the click of Save button data should be saved in database.

protected void Savebtn\_Click(object sender, EventArgs e)

{

con.Open();

SqlCommand cmd = new SqlCommand("insert into Registrationdemo1 values('"+txtFName.Text+"','"+txtLName.Text+"','"+txtEmail.Text+"','"+txtPhon.Text+"','"+txtLocation.Text+"')", con);

cmd.ExecuteNonQuery();

con.Close();

Response.Redirect("Data.aspx");

}

1. On the click of reset button data should be reset.

protected void Button2\_Click(object sender, EventArgs e)

{

txtUserName.Text = " ";

txtPass.Text = " ";

txtConformPass.Text = " ";

txtFName.Text = " ";

txtLName.Text = " ";

txtEmail.Text = " ";

txtPhon.Text = " ";

txtLocation.Text = " ";

}

1. On the click of edit button user details should get updated.
2. On the click of delete button user details should be deleted.

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:DataConnectionString %>" SelectCommand="SELECT \* FROM [Registrationdemo1]" UpdateCommand="UPDATE [Registrationdemo1] Set [FirstName]=@FirstName,[LastName]=@LastName,[Email]=@Email,[Phone]=@Phone,[Location]=@Location where [id]=@id" DeleteCommand="DELETE from [Registrationdemo1] where [id]=@id"></asp:SqlDataSource>

Question No. 3) Suppose you have 2 tables as below

1. Employee(EmpNo(PK), Ename, Job, MGR, Hiredate, Salary, DeptNo) II. Department(DeptNo(PK), Dname, Location)   
   Write a query that shows department name and total number of employees in each department with the format as DEPTPARTMENT NAME:NUMBER OF EMPLOYEE

**Ans:**

create database ABC

create table emp(EmpNo int primary key,EName varchar(50),Job varchar(50),MGR varchar(50),HireDate date,Salary smallmoney,DeptNo int)

Select \* from emp

Insert into emp values(5,'Rohini','Developer','Pallavi','05.03.2017',5000.00,3)

create table Department(DeptNo int primary key,DName varchar(50),Location varchar(50))

Select \* from Department

Insert into Department Values(1,'Testing','Pune')

select DName,Count(EmpNo) as "Number of employee" from emp e,Department d where e.DeptNo=d.DeptNo group by DName