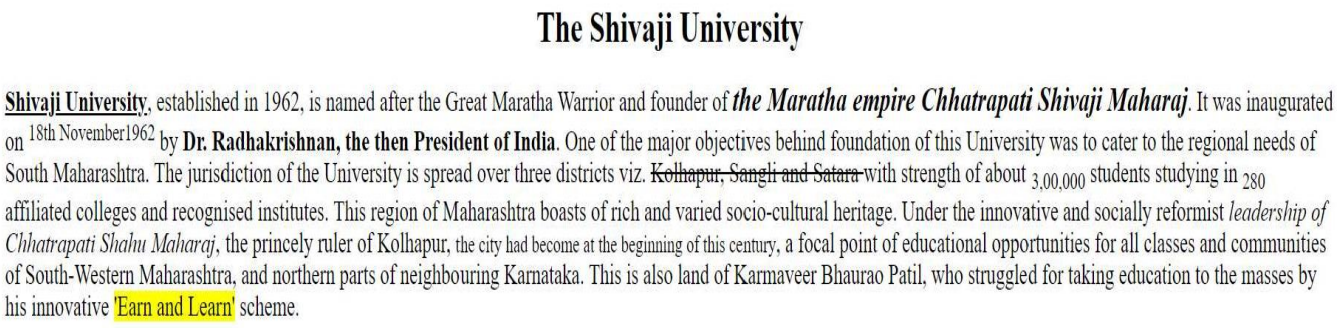
Assignment No: 01

Q. Create a HTML Page with all the formatting Tags

Source Code:-

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title >
      The Shivaji University
</title>
</head>
<body style="margin:50px">
<div>
<h1 style="text-align:center;font-size:30px;font-weight:bold">
         The Shivaji University
</h1>
</div>
<p>
<u><b>Shivaji University</b></u>, established in 1962, is named after the Great Maratha Warrior and founder of <b><i><big>the Maratha empire Chhatrapati Shivaji Maharaj</big></i></b>.
It was inaugurated on <sup>18th November1962</sup> by <strong>Dr.  adhakrishnan, the then President of India</strong>. One of the major objectives behind foundation of this University was to cater to the regional needs of South Maharashtra.
The jurisdiction of the University is spread over three districts viz. <strike>Kolhapur, Sangli and Satara </strike> with strength of about <sub>3,00,000</sub> students studying in <sub>280</sub> affiliated colleges and recognised institutes.
This region of Maharashtra boasts of rich and varied socio-cultural heritage. Under the innovative and socially reformist <em>leadership of Chhatrapati Shahu Maharaj</em>,
the princely ruler of Kolhapur, <small>the city had become at the beginning of this century</small>, a focal point of educational opportunities for all classes and communities of South-Western Maharashtra, and northern parts of neighbouring Karnataka.
This is also land of Karmaveer Bhaurao Patil, who struggled for taking education to the masses by his innovative <mark>'Earn and Learn'</mark> scheme.
</p>
</body>
</html>
```

Output:-



The Shivaji University

Shivaji University, established in 1962, is named after the Great Maratha Warrior and founder of ***the Maratha empire Chhatrapati Shivaji Maharaj***. It was inaugurated on 18th November1962 by **Dr. Radhakrishnan, the then President of India**. One of the major objectives behind foundation of this University was to cater to the regional needs of South Maharashtra. The jurisdiction of the University is spread over three districts viz. ~~Kolhapur, Sangli and Satara~~ with strength of about 3,00,000 students studying in 280 affiliated colleges and recognised institutes. This region of Maharashtra boasts of rich and varied socio-cultural heritage. Under the innovative and socially reformist *leadership of Chhatrapati Shahu Maharaj*, the princely ruler of Kolhapur, the city had become at the beginning of this century, a focal point of educational opportunities for all classes and communities of South-Western Maharashtra, and northern parts of neighbouring Karnataka. This is also land of Karmaveer Bhaurao Patil, who struggled for taking education to the masses by his innovative 'Earn and Learn' scheme.

Assignment No – 02

Q. Create a HTML Page containing Table Tags

Source Code :-

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head><table, th, td {  border: 1px solid black;}</head>
<body></body>
<center><p><big><b>Student Information</b></big></p></center>
<table style="border: 1px solid black;margin-left:auto;margin-right:auto;">
<tr><th>Stu_id</th>
<th>Stu_Fname</th>
<th>Stu_address</th>
<th>Phone No</th>
<th>Email</th></tr>
<tr><th>1</th>
<th>Sakshi Jadhv</th>
<th>Pune</th>
<th>7896321450</th>
<th>sakshi@gmail.com</th></tr>
<tr><th>2</th>
<th>Avdhoot Kadam</th>
<th>Sangli</th>
<th>5236987413</th>
<th>a@gmail.com</th></tr>
<tr><th>3</th>
<th>Ashitosh Shinde</th>
<th>Tasgoan</th>
<th>9860681631</th>
<th>ashi@gmail.com</th></tr>
<tr><th>4</th>
<th>Meera Sawant</th><th>Satara</th><th>9862671631</th>
<th>meera@gmail.com</th></tr>
<tr><th>5</th>
<th>Vaibhav Mali</th>
<th>Kohlapur</th>
<th>9960681640</th>
<th>v@gmail.com</th></tr>
</table></body></html>
```

Output :-

Student Information

Stu_id	Stu_Fname	Stu_address	Phone No	Email
1	Sakshi Jadhv	Pune	7896321450	sakshi@gmail.com
2	Avdhoot Kadam	Sangli	5236987413	a@gmail.com
3	Ashitosh Shinde	Tasgoan	9860681631	ashi@gmail.com
4	Meera Sawant	Satara	9862671631	meera@gmail.com
5	Vaibhav Mali	Kohlapur	9960681640	v@gmail.com

Assignment No – 03

Q. Create a HTML Page and apply a CSS to the page.

Source Code:-

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head><body >
<div >
<div class="title" style="text-alig r :center">
<h1>Login Page</h1></div>
<div style="border:2px solid black;border-radius:10px;height:400px;width:700px;margin-
left:400px;background-color:lightgoldenrodyellow">
<div style="display:inline-block;height:99%;width:45%;">
<img src="./user_img.png" style = "height:120px;width:120px;margin: 50px 0px 0px 100px;position:
absolute;border-radius:50%"/>
<h2 style="margin:200px 0px 0px 110px">John Doe</h2></div>
<div style="display:inline-block;height:99%;width:52%;position:absolute">
<h1 style="margin-left:90px">W ϵ lcome</h1>
<div style="padding:20px">
<div style="margin-bottom:30px">
<label style="margin-right:60px">UserName:</label>
<input type="text" name="Name" /></div>
<div style="margin-bottom:70px">
<label style="margin-right:68px">Password:</label>
<input type="password" name="Name" /></div>
<div>
<input id="Checkbox1" type="checkbox" />
<label>accept <a href="">terms& Conditons</a></label></div>
<div style="margin:50px 0px 0px 100px;">
<input type="submit" value="Login" style="height:40px;width:110px;bord ϵ r:none;background-
color:lightblue;border-radius:5px;font-weight:bold"/>
</div></div></div></div></div></body></html>
```

Output:-

Assignment No – 04

Q. Design a web form to store employee information using the fields (id, name,department, salary, DOB)

i) Provide insert and update facility.

ii) Display all the list of employee

iii) Display the list of employee of Computer Department

iv) Display the name of highest salaried employee

v) Find out the number of employees whose salary is more than 5000

Source Code:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Data;
public partial class EmployeeInfo : System.Web.UI.Page{
    SqlConnection con = new SqlConnection("Data Source = DESKTOP-F1AMD2K;Initial Catalog = DemoDB; Integrated  Security = True");
    protected void Page_Load(object sender, EventArgs e)  {
        LoadData();
        Label1.Visible = false;
        Label2.Visible = false;
}
 void ClearData()  {
        txtName.Text = String.Empty;
        txtSalary.Text = String.Empty;
        txtDOB.Text = String.Empty;
        ddlDepartment.SelectedIndex = 0;
    }
void LoadData()
   con.Open();
```

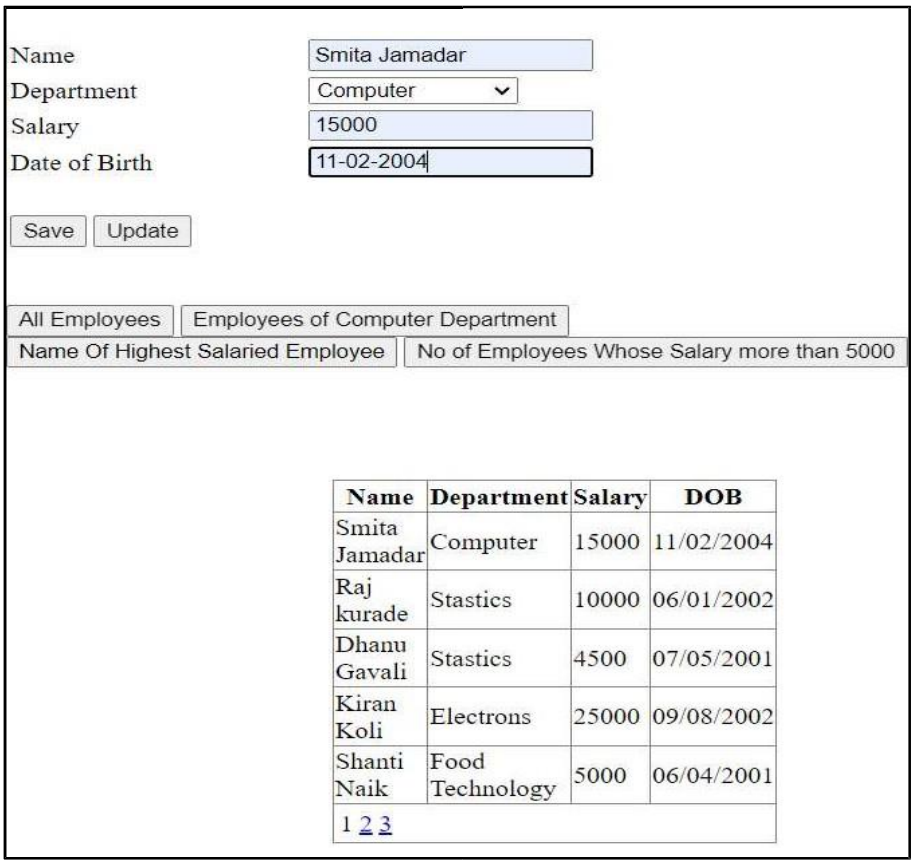
```
SqlCommand cmd = new SqlCommand("select
Id,Name,Department,Salary,Convert(varchar,DOB,103) as DOB from EmployeeInfo order by Id desc"

SqlDataReader dr = cmd.ExecuteReader()

DataTable dt = new DataTable()

dt.Load(dr);

GridView1.DataSource = dt

GridView1.DataBind()

con.Close();

      }

      protected void Button1_Click(object sender, EventArgs e)

   { con.Open();

         GridView1.Visible = true;

         GridView2.Visible = false;

         Label1.Visible = false;

         Label2.Visible = false;

         SqlCommand cmdId = new SqlCommand("Select isnull(max(Id),0)+1 from EmployeeInfo",
   con);

         HiddenField1.Value = cmdId.ExecuteScalar().ToString();

         SqlCommand cmd = new SqlCommand("insert into EmployeeInfo
   (Id,Name,Department,Salary,DOB) values (" + HiddenField1.Value + ",'" + txtName.Text + "','" +
   ddlDepartment.SelectedItem.Value + "','" + txtSalary.Text + "','" +
   Convert.ToDateTime(txtDOB.Text) + "')", con);

         cmd.ExecuteNonQuery();

         Response.Write("<script language='javascript'>alert('Record Inserted
   Successfully...')</script>");

         LoadData();

         ClearData();

      }

    protected void Button3_Click(object sender, EventArgs e)

      {

         Label1.Visible = false;

         Label2.Visible = false;

         GridView2.Visible = true;

         GridView1.Visible = false;

         con.Open();

    SqlCommand cmd = new SqlCommand("Select
   Name,Department,Salary,Convert(varchar,DOB,103) as DOB from EmployeeInfo",con);
```

```
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView2.DataSource = dt;
        GridView2.DataBind();
        con.Close();
        LoadData();
    }
protected void GridView1_PageIndexChanging(object sender, GridViewPageEventArgs e)
    {
        GridView1.PageIndex = e.NewPageIndex;
        LoadData();
    }
    protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
    {
        HiddenField1.Value = GridView1.SelectedRow.Cells[1].Text;
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from EmployeeInfo where Id = " +
HiddenField1.Value + "", con);
        SqlDataReader dr = cmd.ExecuteReader();
        dr.Read();
        txtName.Text = dr["Name"].ToString();
        ddlDepartment.SelectedItem.Value = dr["Department"].ToString();
        txtSalary.Text = dr["Salary"].ToString();
        DateTime dob = Convert.ToDateTime(dr["DOB"]);
        txtDOB.Text = dob.ToString("dd/MMM/yyyy");
        con.Close();
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        GridView2.Visible = false;
        Label1.Visible = false;
        Label2.Visible = false;
        GridView1.Visible = true;
        con.Open();
```

```
        SqlCommand cmd = new SqlCommand("update EmployeeInfo set Name = '" + txtName.Text
+ "',Salary = '" + txtSalary.Text + "',DOB = '" + Convert.ToDateTime(txtDOB.Text) + "',Department =
'" + ddlDepartment.SelectedItem.Text + "' where Id = '" + HiddenField1.Value + "'", con);
        cmd.ExecuteNonQuery();
        Response.Write("<script>alert('Record Updated Successfully...')</script>");
        con.Close();
        LoadData();
        ClearData();
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        GridView1.Visible = false;
        GridView2.Visible = true;
        Label1.Visible = false;
        Label2.Visible = false;
        con.Open();
        SqlCommand cmd = new SqlCommand("Select
Name,Department,Salary,Convert(varchar,DOB,103) as DOB from EmployeeInfo where
department = 'Computer'", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView2.DataSource = dt;
        GridView2.DataBind();
        con.Close();
    }
protected void GridView2_PageIndexChanging(object sender, GridViewPageEventArgs e)
    {
        GridView2.PageIndex = e.NewPageIndex;
        LoadData();
    }
    protected void Button5_Click(object sender, EventArgs e)
    {
        Label1.Visible = true;
        Label2.Visible = true;
        Label1.Text = "Name of Employee whose take Highest Salary is:";
```

```
        con.Open();
        SqlCommand cmd = new SqlCommand("select Name from EmployeeInfo where Salary =
(select max(Salary) from EmployeeInfo)",con);
        Label2.Text = cmd.ExecuteScalar().ToString();
        con.Close();
    }
    protected void Button6_Click(object sender, EventArgs e)
    {
        Label1.Visible = true;
        Label2.Visible = true;
        Label1.Text = "Number of Employee Whose Salary is more than 5000 is :";
        con.Open();
        SqlCommand cmd = new SqlCommand("Select count(id) from EmployeeInfo where Salary
>5000",con);
        Label2.Text = cmd.ExecuteScalar().ToString();
        con.Close();
    }
}
```

Output:



Name: Smita Jamadar
Department: Computer
Salary: 15000
Date of Birth: 11-02-2004

Save | Update

All Employees | Employees of Computer Department
Name Of Highest Salaried Employee | No of Employees Whose Salary more than 5000

Name	Department	Salary	DOB
Smita Jamadar	Computer	15000	11/02/2004
Pratap more	Computer	10000	07/08/2003
Neel Jadhav	Computer	7000	05/09/2001
Aaru Bamane	Computer	14000	02/06/2003

Name: Smita Jamadar
Department: Computer
Salary: 15000
Date of Birth: 11-02-2004

Save | Update

All Employees | Employees of Computer Department
Name Of Highest Salaried Employee | No of Employees Whose Salary more than 5000

Name of Employee whose take Highest Salary is: Kiran Koli

Name	Department	Salary	DOB
Smita Jamadar	Computer	15000	11/02/2004
Pratap more	Computer	10000	07/08/2003
Neel Jadhav	Computer	7000	05/09/2001
Aaru Bamane	Computer	14000	02/06/2003

Name: Smita Jamadar
Department: Computer
Salary: 15000
Date of Birth: 11-02-2004

Save | Update

All Employees | Employees of Computer Department
Name Of Highest Salaried Employee | No of Employees Whose Salary more than 5000

Number of Employee Whose Salary is more than 5000 is : 7

Name	Department	Salary	DOB
Smita Jamadar	Computer	15000	11/02/2004
Pratap more	Computer	10000	07/08/2003
Neel Jadhav	Computer	7000	05/09/2001
Aaru Bamane	Computer	14000	02/06/2003

Assignment No – 05

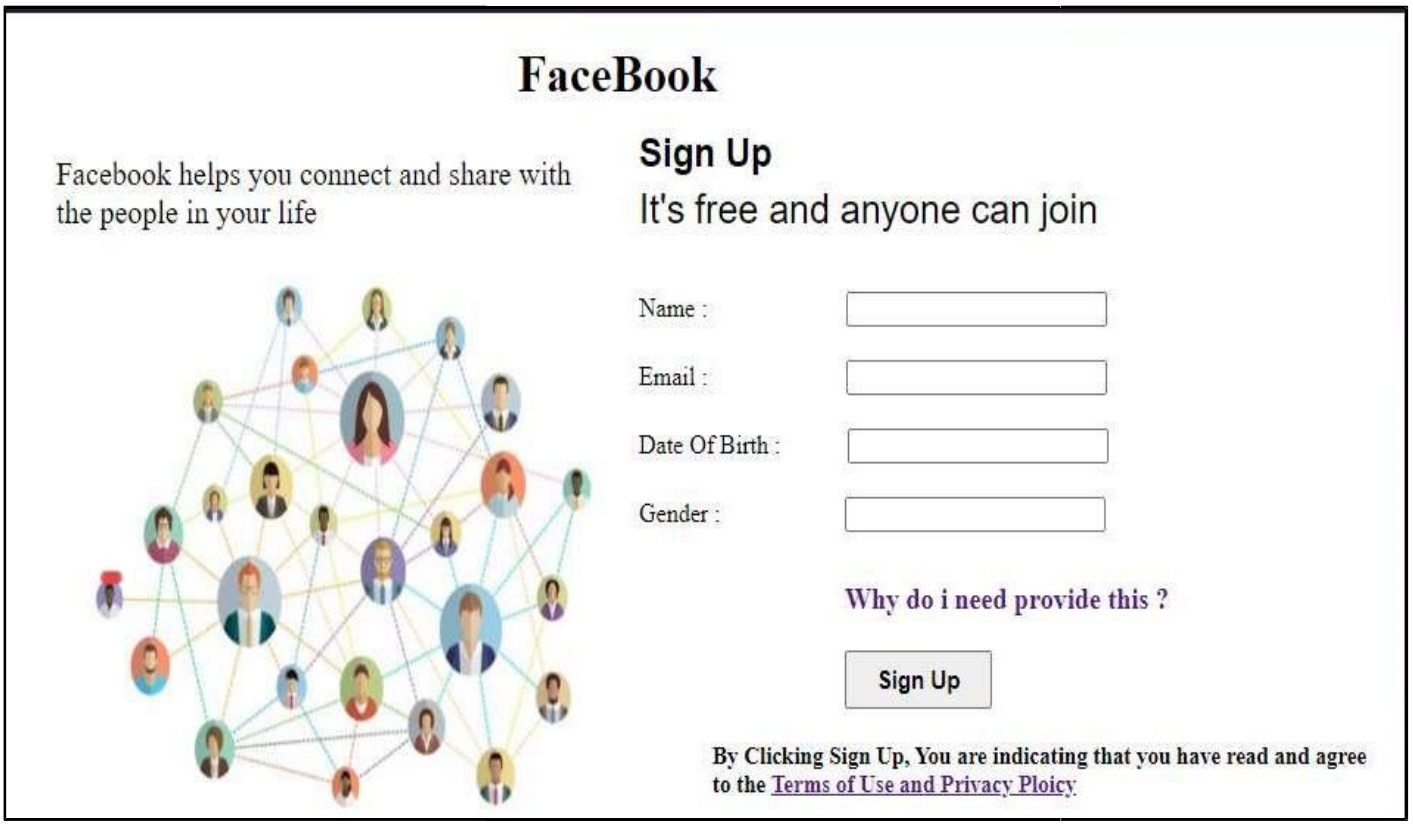
Q. Design a form to create new account of Facebook.

Source Code:

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="facebook1.aspx.cs" Inherits="facebook1" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
Runat="Server">

<div style="height:100% ; width:100%;text-align:center">


<div class="Title" style="">
<h1 style="margin-bottom:-20px;">FaceBook</h1>
</div>

<div >
<div style="height:50%; width:40%;display:inline-block;text-
align:start;position:absolute;margin-left:-380px">
<div style="font-size:20px;margin-top:50px;">
                    Facebook helps you connect and share with <br />the people
in your life
</div>
<img src="Communication.jpg" style="height:400px;width:400px"/>
</div>
<div style="padding:10px;margin:5px;height:450px;width:40%;display:inline-
block;position:absolute;text-align:start;">
<div>
<h2 style="font-weight:bold;font-family:Arial">Sign Up</h2>
<h3 style="font-size:25px;margin-top:-15px;font-weight:500;font-
family:Arial">It's free and anyone can join </h3>
</div>
<div>
<label style="display:inline-block">Name :</label>
<input id="Text1" type="text" style="display:inline-block;margin:10px 90px"/>
</div>

<div>
<label style="display:inline-block">Email :</label>
<input id="Text2" type="text" style="display:inline-block;margin:10px 90px"/>
</div>

<div>
<label style="display:inline-block">Date Of Birth :</label>
<input id="Text3" type="text" style="display:inline-block;margin:10px 42px"/>
</div>

<div>
<label style="display:inline-block">Gender :</label>
<input id="Text4" type="text" style="display:inline-block;margin:10px
80px;margin-bottom:30px"/>
```

```
</div>

<div>
<a href="" style="text-decoration:none;font-size:18px;font -weight:bold;margin-
left:140px">Why do i need provide this ?</a>
</div>

<div>
<input id="Button1" type="button" value="Sign Up" style="fcnt-size:15px;font-
weight:bold;height:35px;width:100px;margin:20px 140px"/>
</div>

<div style="margin:0px 50px;font-size:15px;font-weight:600">
                By Clicking Sign Up, You are indicating that you have read and
agree to the <a href="">Terms of Use and Privacy Ploicy</a>
</div>

</div>
</div>

</asp:Content>
```

Output:



Assignment No – 06

Q. Design a feedback form with appropriate fields.

Source Code:-

```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="Feedback.aspx.cs" Inherits="Feedback" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server"></asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
<table style="border-style: groove; width: 700px; height: 658px; background-color: #FFFFCC" >
<tr>
<td colspan="2" align="center">
<h2> Feedback Form</h2></td>
</tr><tr>
<td class="auto-style2">
<b>Name:</b>
</td>
<td class="auto-style1">
<asp:TextBox ID="TextFname" runat="server" Height="28px" Width="221px"></asp:TextBox>
</td>
</tr>
<tr>
<td class="auto-style3"><b>Address:</b></td>
<asp:TextBox ID="TextLname" runat="server" Height="28px" Width="221px"></asp:TextBox>
</td>
</tr>
<tr>
<td class="auto-style2"><b>Email</b></td>
<asp:TextBox ID="TextEmail" runat="server" Height="28px" Width="221px"></asp:TextBox>
</td></tr><tr>
<td class="auto-style2"><b>Phone:</b></td>
<asp:TextBox ID="TextAddress" runat="server" Height="28px" Width="221px"
TextMode="MultiLine"></asp:TextBox>
</td>
<td></td></tr><tr>
<td class="auto-style2"><b>Gender:</b></td>
<asp:DropDownList ID="ddlGender" runat="server" Height="28px" Width="227px">
<asp:ListItem>Select Gender</asp:ListItem>
<asp:ListItem>Male</asp:ListItem>
<asp:ListItem>Female</asp:ListItem>
<asp:ListItem>Other</asp:ListItem>
</asp:DropDownList></td></tr><tr>
<td class="auto-style2"><b>Date of Birth:</b></td>
<td class="auto-style1">
<asp:TextBox ID="TextPhone" runat="server" Height="28px" Width="223px"></asp:TextBox>
</td>
</tr>
<tr>
<td class="auto-style2"><b>Department:</b></td>
<td class="auto-style1">
<asp:TextBox ID="TextPassword" runat="server" Height="31px" Width="221px"
TextMode="Password"></asp:TextBox>
</td>
```

```
</tr>
<tr>
<td class="auto-style2"><b>Online Status:</b></td>
<td class="auto-style1">
<asp:DropDownList ID="DropDownList1" runat="server" Height="33px" W idth="228px">
<asp:ListItem>Online</asp:ListItem>
<asp:ListItem>Offline</asp:ListItem>
</asp:DropDownList></td><tr><tr>
<td align="center" colspan="2">< b>Your Feedback:</b><tr>
<td colspan="2" align="center">
<asp:TextBox ID="TextBox1" runat="server" Height="160px" style="margin-left: 0px; margin-top:
0px" Width="612px"></asp:TextBox>
</td></tr><tr>
<td colspan="2" align="center">
<asp:Button ID="Button1" runat="server" Text="Submit Your Feedback"    ont-Bold="True" Font-
Size="Medium" Height="41px" W idth="232px" OnClick="Button1_Click" />
</td>
</tr>
</table>
</asp:Content>
```

Output:-

Assignment No – 07

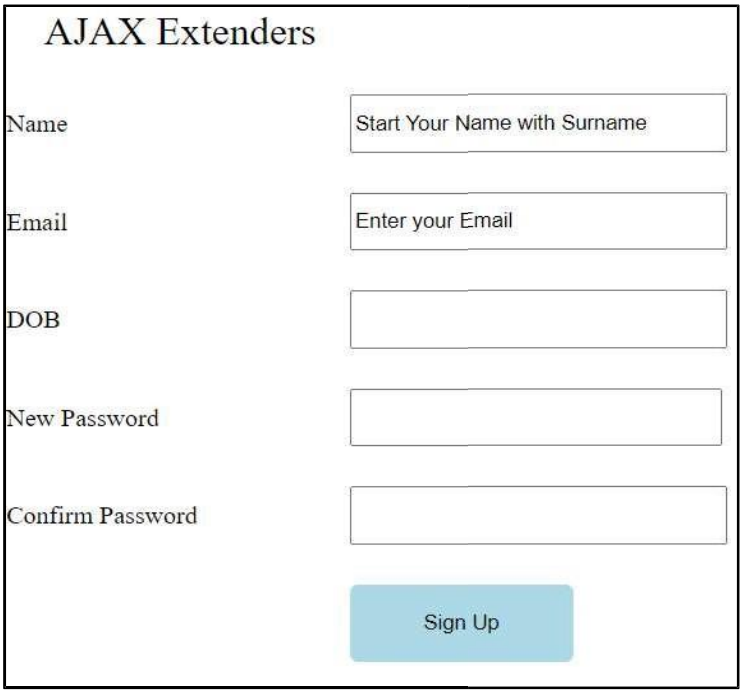
Q. Design a ASP web page and apply AJAX Extenders

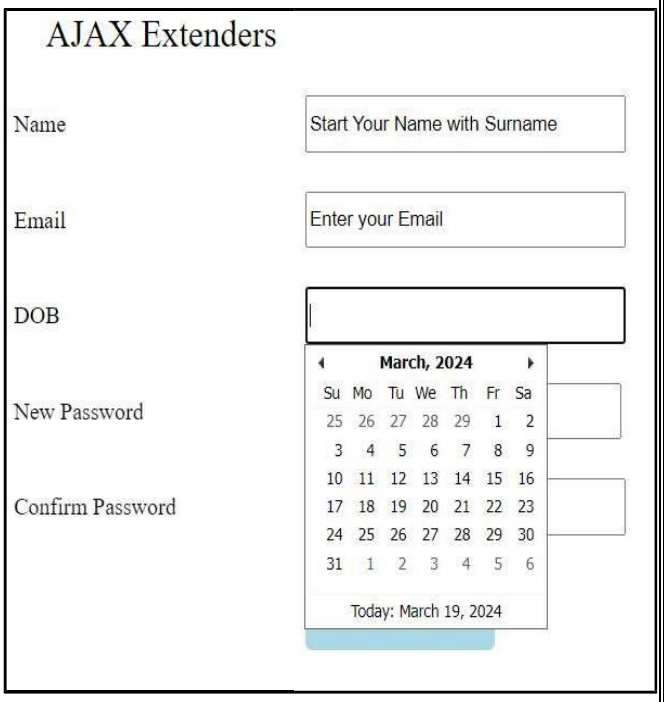
Source Code:-

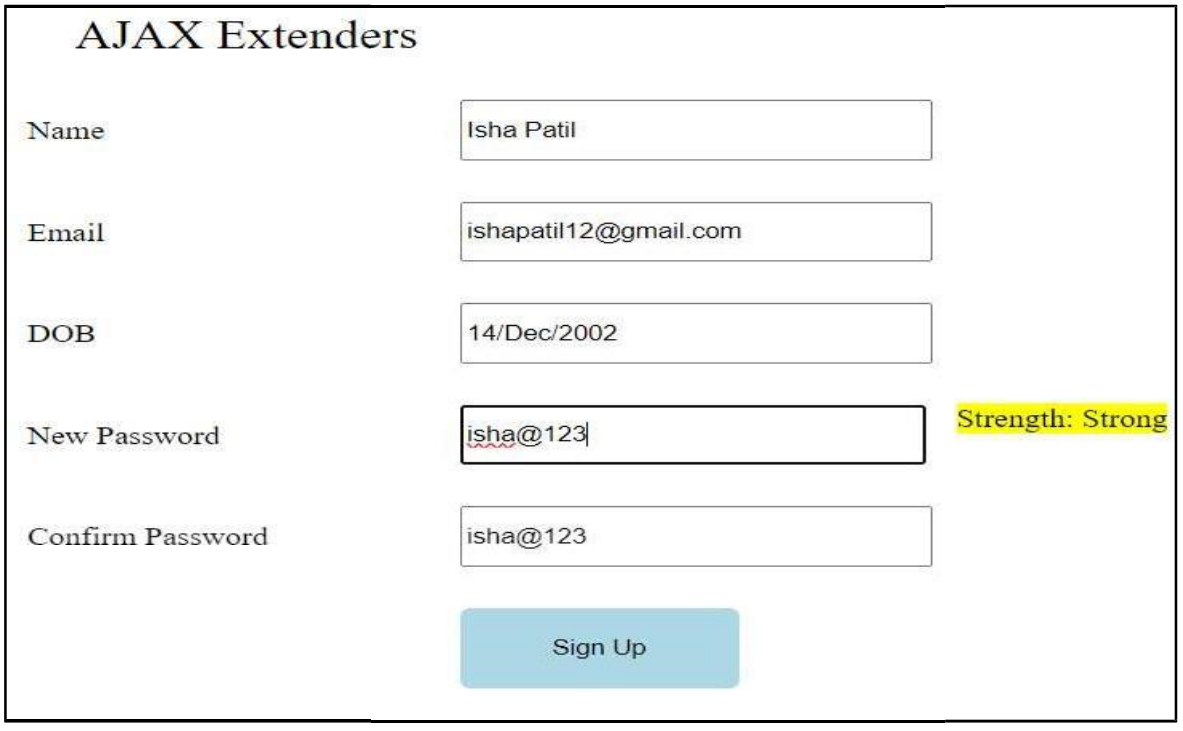
```
<%@ Page Title="" Language="C#" MasterPageFile="~/MasterPage.master"
AutoEventWireup="true" CodeFile="Ajax.aspx.cs" Inherits="Ajax" %>
<%@ Register assembly="AjaxControlToolkit" namespace="AjaxControlToolkit" tagprefix="asp"
%>
<asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server"></asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
<table class="auto-style1">
<tr>
<td class="auto-style2"> </td>
</tr>
<tr>
<td class="auto-style2"> </td>
</tr>
<tr>
<td class="auto-style2">Name</td>
<td>
<asp:TextBox ID="TextBox1" runat="server" Height="32px"
OnTextChanged="TextBox1_TextChanged" style="margin-left: 0px"
Width="230px"></asp:TextBox>
<asp:TextBoxWatermarkExtender ID="TextBox1_TextBoxWatermarkExtender" runat="server"
Enabled="True" TargetControlID="TextBox1" WatermarkText ="Start Your Name with Surname">
</asp:TextBoxWatermarkExtender>
</td>
</tr>
<tr>
<td class="auto-style2"> </td>
</tr>
<tr>
<td class="auto-style2">Email</td>
<td>
<asp:TextBox ID="TextBox2" runat="server" Height="32px"
OnTextChanged="TextBox1_TextChanged" style="margin-left: 0px"
Width="230px"></asp:TextBox>
<asp:TextBoxWatermarkExtender ID="TextBox2_TextBoxWatermarkExtender" runat="server"
TargetControlID="TextBox2" WatermarkText ="Enter your Email">
</asp:TextBoxWatermarkExtender>
</td>
</tr>
<tr>
<td class="auto-style2"> </td>
</tr>
<tr>
<td class="auto-style2">DOB</td>
<td>
<asp:TextBox ID="TextBox3" runat="server" Height="32px"
OnTextChanged="TextBox1_TextChanged" style="margin-left: 0px"
Width="230px"></asp:TextBox>
<asp:CalendarExtender ID="TextBox3_CalendarExtender" runat="server" Enabled="True"
TargetControlID="TextBox3" Format="dd/MMM/yyyy">
```

```
</asp:CalendarExtender>
</td>
</tr>
<tr>
<td class="auto-style2"> </td>
</tr>
<tr>
<td class="auto-style2">New Password</td>
<td>
<asp:TextBox ID="TextBox4" runat="server" Height="32px"
OnTextChanged="TextBox1_TextChanged" style="margin-left: 0px"
Width="227px"></asp:TextBox>
<asp:PasswordStrength ID="TextBox4_PasswordStrength" runat="server" Enabled="True"
TargetControlID="TextBox4">
</asp:PasswordStrength>
</td></tr>
<tr>
<td class="auto-style2"> </td></tr>
<tr>
<td class="auto-style2">Confirm Password</td>
<td>
<asp:TextBox ID="TextBox5" runat="server" Height="32px"
OnTextChanged="TextBox1_TextChanged" style="margin-left: 0px"
Width="230px"></asp:TextBox>
</td>
</tr>
<tr>
<td class="auto-style2"> </td>
<td>
<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>
</td>
</tr>
<tr>
<td class="auto-style2"> </td>
<td>
<asp:Button ID="Button1" runat="server" Text="Sign Up" Width="140px" Height="50px"
style="border-radius:5px;border:none;background-color:lightblue  "/>
<asp:ConfirmButtonExtender ID="Button1_ConfirmButtonExtender" runat="server"
ConfirmText="Are you Sure to Submit" Enabled="True" TargetControlID="Button1">
</asp:ConfirmButtonExtender>
</td>
</tr>
</table>
</asp:Content>
```

Output :-


AJAX Extenders
Name
Start Your Name with Surname
Email
Enter your Email
DOB
New Password
Confirm Password
Sign Up


AJAX Extenders
Name
Start Your Name with Surname
Email
Enter your Email
DOB
New Password
Confirm Password
March, 2024
Su Mo Tu We Th Fr Sa
25 26 27 28 29 1 2
3 4 5 6 7 8 9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31 1 2 3 4 5 6
Today: March 19, 2024


AJAX Extenders
Name
Isha Patil
Email
ishapatil12@gmail.com
DOB
14/Dec/2002
New Password
isha@123
Strength: Strong
Confirm Password
isha@123
Sign Up

Assignment No – 08

Q. Design a webpage demonstrating the use of webservices

Source code:-

- **WebService1.asmx.cs**

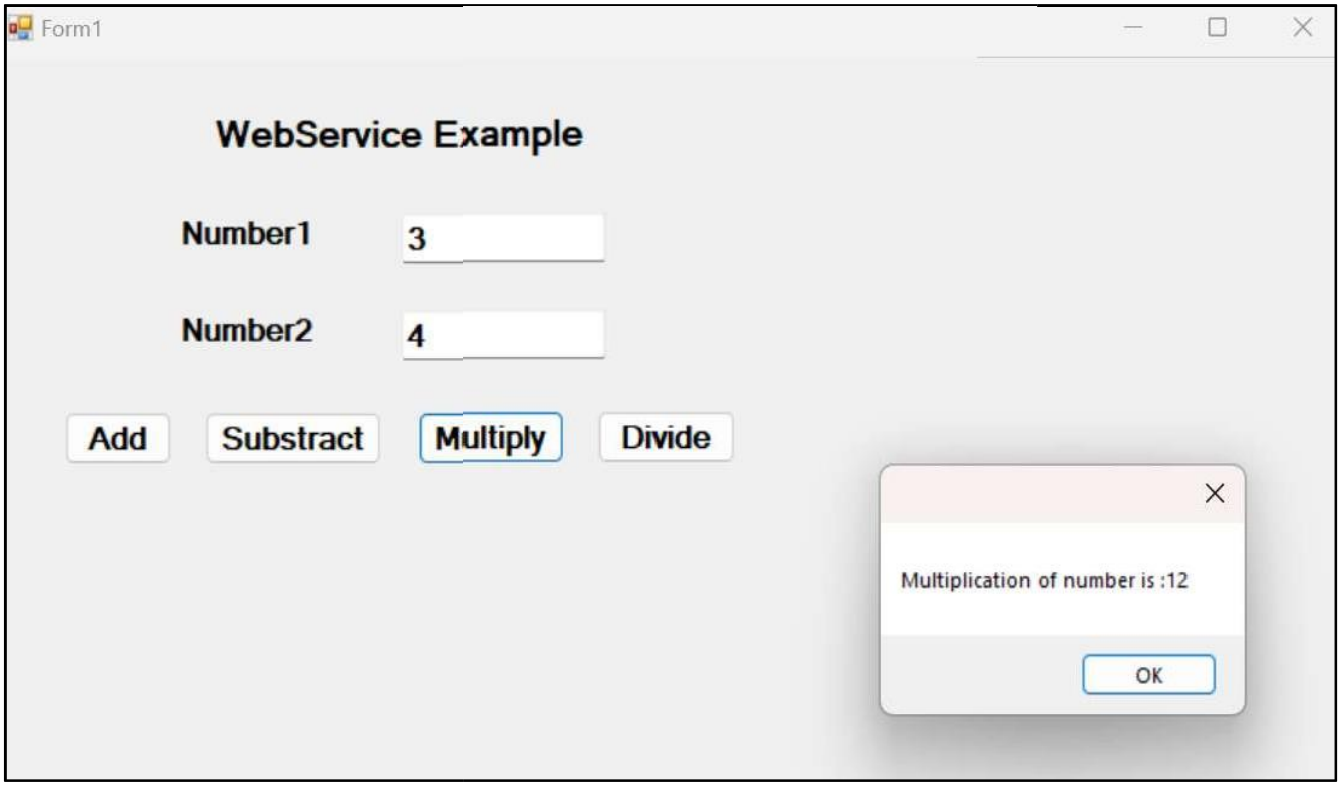
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;
namespace WebTechJournalQue8
{ public class WebService1 : System.Web.Services.WebService
   {  [WebMethod]
      public int Add(int x,int y)
      {
         return (x+y);
      }  [WebMethod]
      public int Substract(int x, int y)
      {
         return (x - y);
      }   [WebMethod]
      public int Multiply(int x, int y)
      {
         return (x * y);
      }  [WebMethod]
      public int Divide(int x, int y)
      {
         return (x / y);
      } } }
```

- **Form1.cs**

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using WindowsFormsApp1.ServiceReference1;
namespace WindowsFormsApp1
{
   public partial class Form1 : Form
   {
      WebService1SoapClient obj;
      public Form1()
      {
         InitializeComponent();
      }
      private void button3_Click(object sender, EventArgs e)
      {
         int a = Convert.ToInt32(textBox1.Text);
         int b = Convert.ToInt32(textBox2.Text);
```

```
            int ans = obj.Multiply(a, b);
            MessageBox.Show("Multiplication of number is :" + ans);
        }private void button4_Click(object sender, EventArgs e)
        {
            int a = Convert.ToInt32(textBox1.Text);
            int b = Convert.ToInt32(textBox2.Text);
            int ans = obj.Divide(a, b);
            MessageBox.Show("Division of number is :" + ans);
        }
        private void button1_Click(object sender, EventArgs e)
        {
            int a = Convert.ToInt32(textBox1.Text);
            int b = Convert.ToInt32(textBox2.Text);
            int ans = obj.Add(a, b);
            MessageBox.Show("Addition of number is :" + ans);
        }
        private void Form1_Load(object sender, EventArgs e)
        {
            obj = new WebService1SoapClient();
        }
        private void button2_Click(object sender, EventArgs e)
        {
            int a = Convert.ToInt32(textBox1.Text);
            int b = Convert.ToInt32(textBox2.Text);
            int ans = obj.Substract(a, b);
            MessageBox.Show("Substraction of number is :" + ans);
        }
    }
}
```

Output:



AssignmentNo – 09

Q. With a Fields given below create a database table and insert a few record using C#

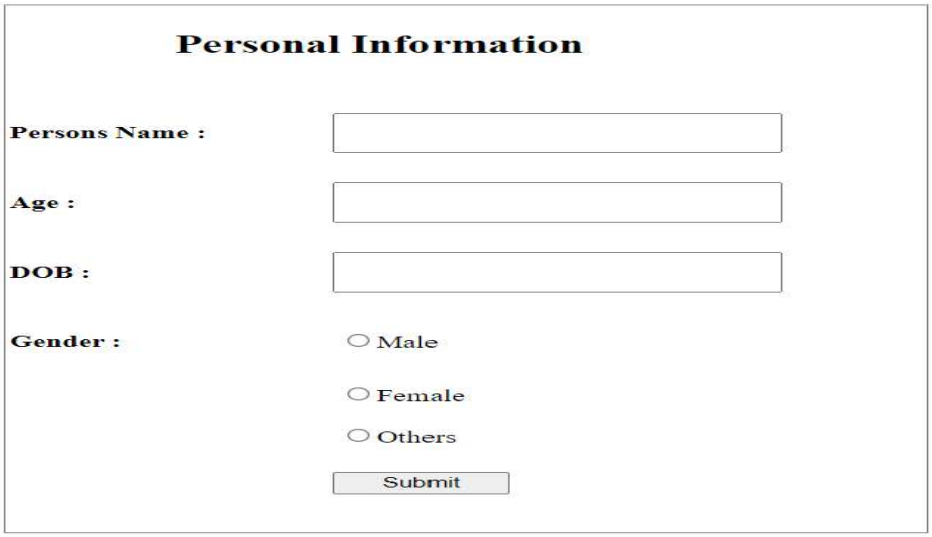
windows forms application (id, person_name, age, dob,gender)

Source Code:-

```
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;

public partial class Person_Info : System.Web.UI.Page
{
    String Gender;
    SqlConnection cn =new SqlConnection("Data
source=RUTUJA\\SQLEXPRESS;InitialCatalog=Practical;Integrated Security=True");

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

    void ClearControls()
        {
            TextName.Text = string.Empty;
            TextAge.Text = string.Empty;
            TextDOB.Text = string.Empty;
            Gender = string.Empty;
        }
    protected void Button1_Click(object sender, EventArgs e)
    {

        cn.Open();
        SqlCommand cmdId = new SqlCommand("select isnull (max(Id),0)+1 from Person_Info", cn);
        HiddenField1.Value = cmdId.ExecuteScalar().ToString();
        cn.Close();

        cn.Open();
        SqlCommand cmd = new SqlCommand("insert into
Person_Info(id,Person_Name,Age,DOB,Gender)Values(" + Convert.ToInt16(HiddenField1.Value)
+ ",'" + TextName.Text + "','" + TextAge.Text + "','" + Convert.ToDateTime(TextDOB.Text) + "','"
+Gender + "')", cn);
        cmd.ExecuteNonQuery();
        cn.Close();


        Response.Write("<script language='javascript'>alert('Record SavedSuccessfully...')</script>");
```

```
        ClearControls();


    }
    protected void RadioButtonList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        Gender=" Male";
    }
    protected void RadioButtonList2_SelectedIndexChanged(object sender, EventArgs e)
    {
        Gender=" Female";
    }
    protected void RadioButtonList3_SelectedIndexChanged(object sender, EventArgs e)
    {
        Gender=" Others";
    }
}
```

Output :-



id	Person_name	Age	DOB	Gender
1	Harsh Shinde	34	1990-11-12	Male
2	Prisha Mehara	22	2002-01-05	Female
4	Swati Jadhav	28	1993-05-01	Female
3	Karan Bhosale	22	2002-01-09	Male
5	Shiv Patil	25	1995-06-12	Male

Assignment No –10

Q. Create a project with the functionality of state management

Source Code:-

- **User_Registration.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 MCA_PRACTICAL {
    public partial class User_Registration : System.Web.UI.Page {
        SqlConnection cn = new SqlConnection("Data
Source=SANIKA_MAHADIK\\SQLEXPRESS; Initial Catalog=user; Integrated Security= True");
        protected void Page_Load(object sender, EventArgs e) {
            LoadData();
            LoadDistricts();
        } void LoadData()  {
            cn.Open();
  SqlCommand cmd = new SqlCommand("select
id,name,address,mobile_no,email,Convert(varchar,dob,105) as
dob,programme,marks,password from registration order by id desc", cn);
SqlDataReader dr = cmd.ExecuteReader();
   DataTable dt = new DataTable();
            dt.Load(dr);
            GridView1.DataSource = dt;
            GridView1.DataBind();
            cn.Close();  }
  void LoadDistricts() {
            ddlDistricts.Items.Clear();
            ddlDistricts.Items.Add("select");
            cn.Open();
            SqlCommand cmd = new SqlCommand("select distinct(city) from districts ", cn);
            SqlDataReader dr = cmd.ExecuteReader();
 while(dr.Read())  {
                ddlDistricts.Items.Add(dr["city"].ToString());
            } cn.Close();
        }
 void ClearData()  {
            TextName.Text = String.Empty;
            TextAddress.Text = String.Empty;
            TextMobileNo.Text = String.Empty;
            TextEmail.Text = String.Empty;
            TextDOB.Text = String.Empty;
            ddlProgramme.SelectedIndex = 0;
            TextMarks.Text = String.Empty;
            TextPassword.Text = String.Empty; }
    protected void Button1_Click(object sender, EventArgs e) {
            cn.Open();
            SqlCommand cmdId = new SqlCommand("select isnull(max(id),0)+1 from registration",
cn);
            HiddenField1.Value = cmdId.ExecuteScalar().ToString();
```

```
                cn.Close();
                 cn.Open();
 SqlCommand cmd = new SqlCommand("insert into
registration(id,name,address,mobile_no,email,dob,programme,marks,password)
values("+Convert.ToInt32(HiddenField1.Value)+",'"+TextName.Text+"','"+TextAddress.Text+ "','" +
TextMobileNo.Text + "','" + TextEmail.Text + "','"+ Convert.ToDateTime(TextDOB.Text)+"','" +
ddlProgramme.SelectedItem.Text + "'," + Convert.ToInt16(TextMarks.Text) +
",'"+TextPassword.Text+"')", cn); cmd.ExecuteNonQuery();
                cn.Close();
                Response.Write("<script language = 'javascript'>alert ('Record Saved
    Successfully')</script>");
                LoadData();
                ClearData(); }
  protected void GridView1_PageIndexChanging(object sender, GridViewPageEventArgs e)   {
                GridView1.PageIndex = e.NewPageIndex;
                LoadData();   }
  protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)  {
       HiddenField1.Value = GridView1.SelectedRow.Cells[1].Text;
       cn.Open();
      SqlCommand cmd = new SqlCommand("select*from registration where id = '" +
    HiddenField1.Value + "'", cn);
                SqlDataReader dr = cmd.ExecuteReader();
                dr.Read();
                TextName.Text = dr["name"].ToString();
                TextAddress.Text = dr["address"].ToString();
                TextMobileNo.Text = dr["mobile_no"].ToString();
                TextEmail.Text = dr["email"].ToString();
                DateTime DOB = Convert.ToDateTime(dr["dob"]);
                TextDOB.Text = DOB.ToString("dd/mm/yyyy");
                ddlProgramme.SelectedItem.Value = dr["programme"].ToString();
                TextMarks.Text = dr["marks"].ToString();
                TextPassword.Text = dr["password"].ToString();
                cn.Close();  }
 protected void Button2_Click(object sender, EventArgs e) {
                cn.Open();
SqlCommand cmd = new SqlCommand("update registration set name ='" + TextName.Text +
"',address='" + TextAddress.Text + "',mobile_no='" + TextMobileNo.Text + "',email='" +
TextEmail.Text + "',dob='" Convert.ToDateTime(TextDOB.Text) + "',programme='" +
ddlProgramme.SelectedItem.Value + "',marks=" + Convert.ToInt32(TextMarks.Text) +
",password='"+TextPassword.Text+"' where id = '" HiddenField1.Value+"'", cn);
cmd.ExecuteNonQuery();
  cn.Close();
    Response.Write("<script language = 'javascript'>alert ('Record updated Successfully')</script>");
                LoadData();
                ClearData();  }
  protected void Button3_Click(object sender, EventArgs e)  {
                cn.Open();
       SqlCommand cmd = new SqlCommand("delete from registration where id = '" +
     HiddenField1.Value + "'", cn);
                cmd.ExecuteNonQuery();
                cn.Close();
   Response.Write("<script language = 'javascript'>alert ('Record deleted Successfully')</script>");
                LoadData();
                ClearData();     }
 protected void Button4_Click(object sender, EventArgs e) {
                Response.Redirect("LoginPage.aspx");
```

```
        } } }
```

- **LoginPage.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 MCA_PRACTICAL{
    public partial class LoginPage : System.Web.UI.Page  {
SqlConnection cn = new SqlConnection("Data Source=SANIKA_MAHADIK\\SQLEXPRESS; Initial
Catalog=user; Integrated Security= True");
            protected void Page_Load(object sender, EventArgs e) { }
    protected void Button1_Click(object sender, EventArgs e) {
              cn.Open();
 SqlCommand cmd = new SqlCommand("select count(*) from registration where name='" +
TextName11.Text + "' and password='" + TextPassword11.Text + "'", cn);
               int count = Convert.ToInt32(cmd.ExecuteScalar());
               cn.Close();
           if(count > 0)   {
                Session["name"] = TextName11.Text;
                Response.Redirect("Home.aspx");
              }   else
              {
                Response.Write("<script language = 'javascript'>alert ('login Successfully')</script>");
              } }   }   }
```

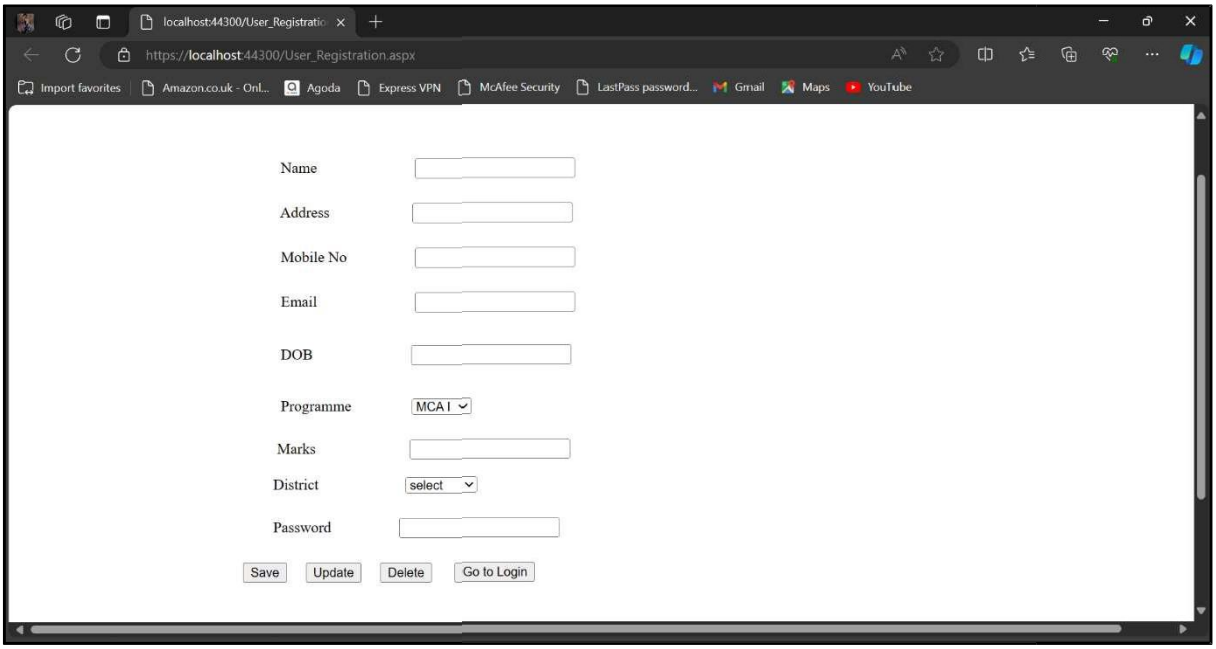
- **Home.aspx.cs**

```
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 MCA_PRACTICAL{
    public partial class Home : System.Web.UI.Page {
  SqlConnection cn = new SqlConnection("Data Source=SANIKA_MAHADIK\\SQLEXPRESS;
Initial Catalog=user; Integrated Security= True");
        protected void Page_Load(object sender, EventArgs e)  {
           if (Session["name"] == null) {
              Response.Redirect("LoginPage.aspx");
           }  else
           {  cn.Open();
  SqlCommand cmd = new SqlCommand("select name from registration where name='" +
Session["name"].ToString() + "'", cn);
 SqlDataReader dr = cmd.ExecuteReader();
 dr.Read();
 Label1.Text = dr[0].ToString();
 cn.Close();
    }   }
 protected void Button1_Click(object sender, EventArgs e) {
           Session.Abandon();
           Response.Redirect("LoginPage.aspx");
```

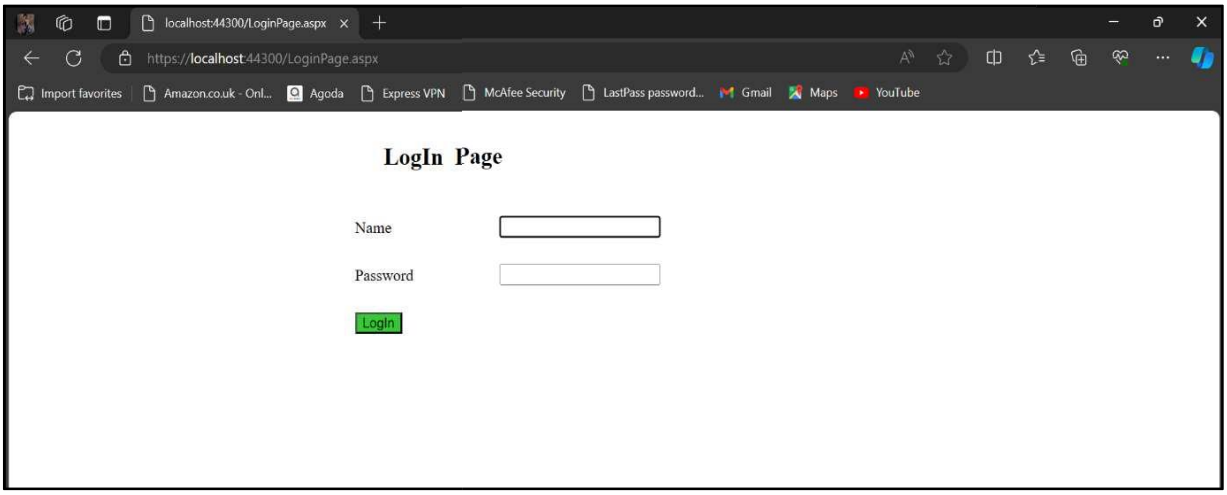
} } }

Output:

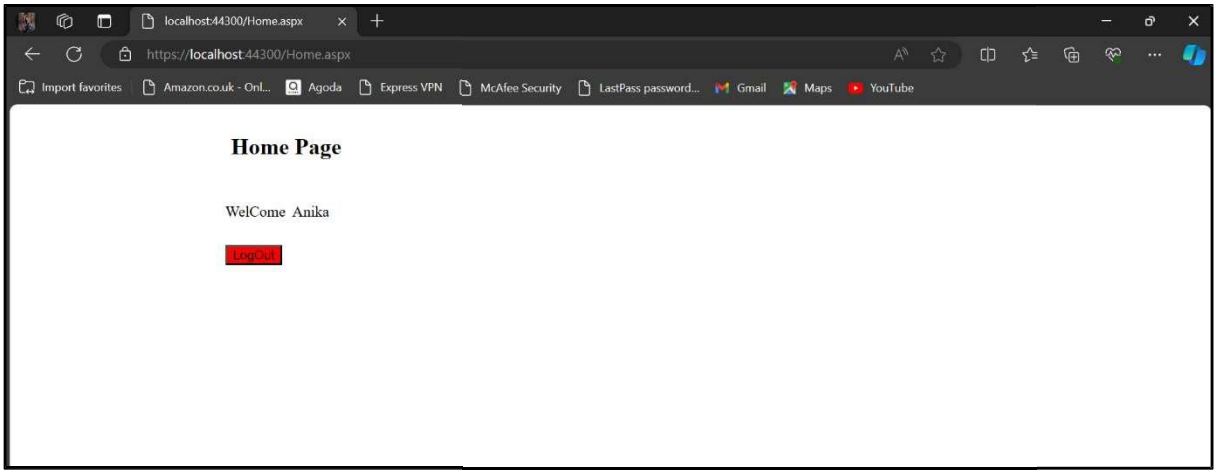
- **User Registration**



- **LogIn Page**



- **Home Page**



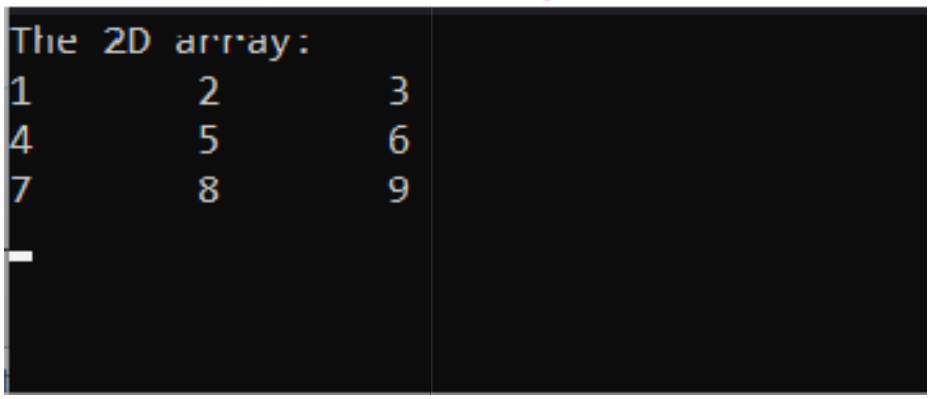
Assignment No :- 11

Q. Write a program which demonstrates a 2D array using C# console application.

Source Code:-

```
class Program
   {
      static void Main(string[] args)
      {
         // Example 2D array
         int[,] array2D = {
         {1, 2, 3},
         {4, 5, 6},
         {7, 8, 9}
      };

         // Display the 2D array
         Console.WriteLine("The 2D array:");
         for (int i = 0; i < array2D.GetLength(0); i++)
         {
            for (int j = 0; j < array2D.GetLength(1); j++)
            {
               Console.Write(array2D[i, j] + "\t");
            }
            Console.WriteLine();
         }
         Console.ReadKey();
      }

   }
```

Output :-



Assignment No :- 12

Q. Write a program to store student registration data using the fields given below and provide the facility of update and delete. (id, name, age,email,password)

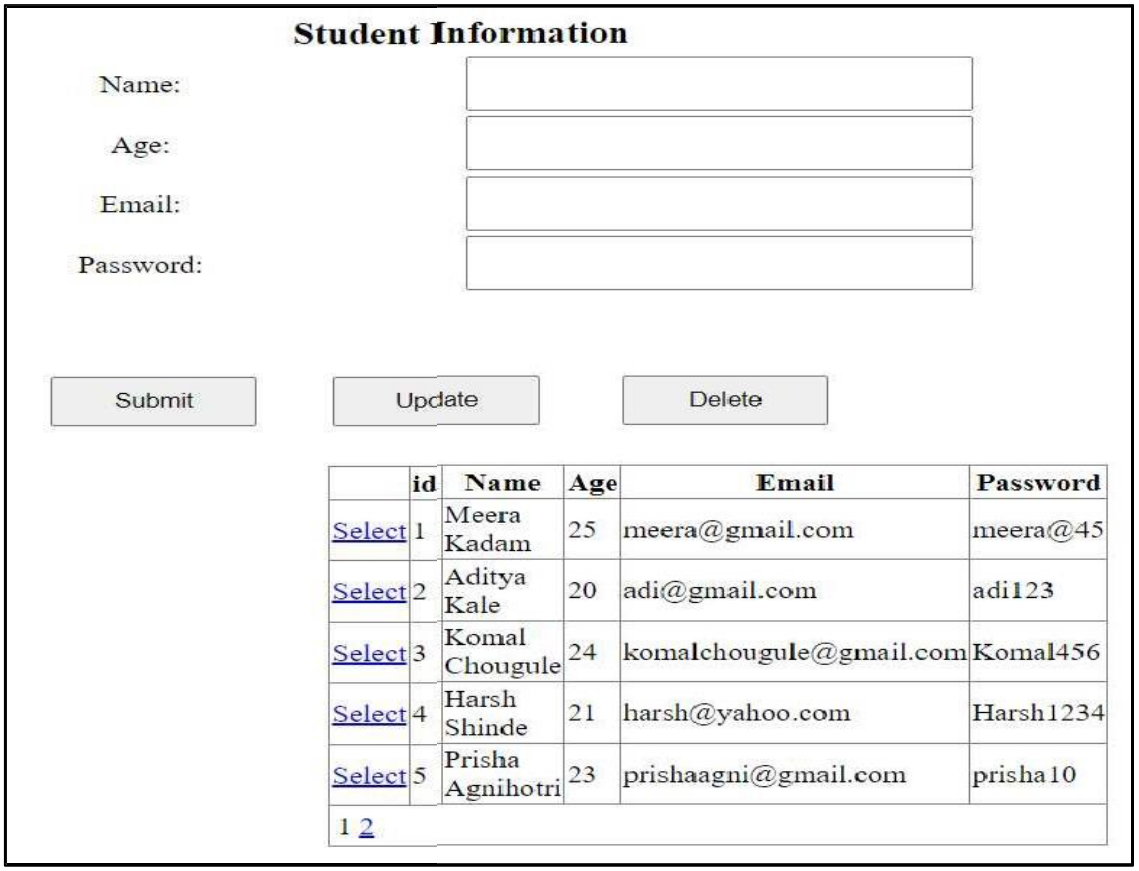
Source Code:-

```
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;

public partial class Student_Info : System.Web.UI.Page
{
    SqlConnection cn = new SqlConnection("Data Source=RUTUJA\\SQLEXPRESS;Initial
Catalog= Practical;Integrated Security=True");
   protected void Page_Load(object sender, EventArgs e)
   {
      LoadData();
   }
   void LoadData()
   {
      cn.Open();
      SqlCommand cmd = new SqlCommand("select * from Student ",cn);
      SqlDataReader dr = cmd.ExecuteReader();
      DataTable dt = new DataTable();
      dt.Load(dr);
      GridView1.DataSource = dt;
      GridView1.DataBind();
      cn.Close();
}
   void ClearControls()
   {
      TextName.Text = string.Empty;
      TextAge.Text = string.Empty;

      TextEmail.Text = string.Empty;
      TextPassword.Text = string.Empty;

   }
   protected void Button1_Click(object sender, EventArgs e)
   {
      cn.Open();
      SqlCommand cmdId = new SqlCommand("select isnull (max(Id),0)+1 from Student", cn);
      HiddenField1.Value = cmdId.ExecuteScalar().ToString();
      cn.Close();

      cn.Open();
      SqlCommand cmd = new SqlCommand("insert into Student
(id,Name,Age,Email,Password)Values(" + Convert.ToInt16(HiddenField1.Value) + ",'" +
```

```
TextName.Text + "'," + Convert.ToInt16(TextAge.Text) + "'," + TextEmail.Text + "'," +
TextPassword.Text + "')", cn);
        cmd.ExecuteNonQuery();
        cn.Close();
        LoadData();
        Response.Write("<script language='javascript'>alert('Record Saved
Successfully...')</script>");

        ClearControls();
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
       cn.Open();
        SqlCommand cmd = new SqlCommand("update Student set name='" + TextName.Text +
"',Age=" + Convert.ToString(TextAge.Text) + ",Email='" + TextEmail.Text + "', Password='" +
TextPassword.Text + "' where Id='" + HiddenField1.Value + "'", cn);
        cmd.ExecuteNonQuery();
        cn.Close();

        Response.Write("<script language='javascript'>alert('Record Updated
Successfully...')</script>");

        LoadData();
        ClearControls();
    }
    protected void Button3_Click(object sender, EventArgs e)
    {
        cn.Open();
        SqlCommand cmd = new SqlCommand("delete from Student where id='" +
HiddenField1.Value + "'", cn);
        cmd.ExecuteNonQuery();
        cn.Close();
        Response.Write("<script language='javascript'> alert ('record Deleted Successfully.....')
</script>");

        LoadData();
        ClearControls();
    }
    protected void TextBox1_TextChanged(object sender, EventArgs e)
    {

    }
    protected void GridView1_PageIndexChanging(object sender, GridViewPageEventArgs e)
    {
        GridView1.PageIndex = e.NewPageIndex;
        LoadData();



    }
    protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
    {
        HiddenField1.Value = GridView1.SelectedRow.Cells[1].Text;

        cn.Open();
        SqlCommand cmd = new SqlCommand("Select * from Student where id =" +
HiddenField1.Value + " ", cn);
```

```
        SqlDataReader dr = cmd.ExecuteReader();
        dr.Read();
        TextName.Text = dr["Name"].ToString();
        TextAge.Text = dr["Age"].ToString();
        TextEmail.Text = dr["Email"].ToString();
        cn.Close();

    }
}
```

Output :-



	id	Name	Age	Email	Password
Select	1	Meera Kadam	25	meera@gmail.com	meera@45
Select	2	Aditya Kale	20	adi@gmail.com	adi123
Select	3	Komal Chougule	24	komalchougule@gmail.com	Komal456
Select	4	Harsh Shinde	21	harsh@yahoo.com	Harsh1234
Select	5	Prisha Agnihotri	23	prishaagni@gmail.com	prisha10

1 2

Assignment No: 13

Q.Using the fields given below display the list of employee who`s salary is above 5000 but not greater than 15000 also display the list of employee whos name start withletter ‘s’.

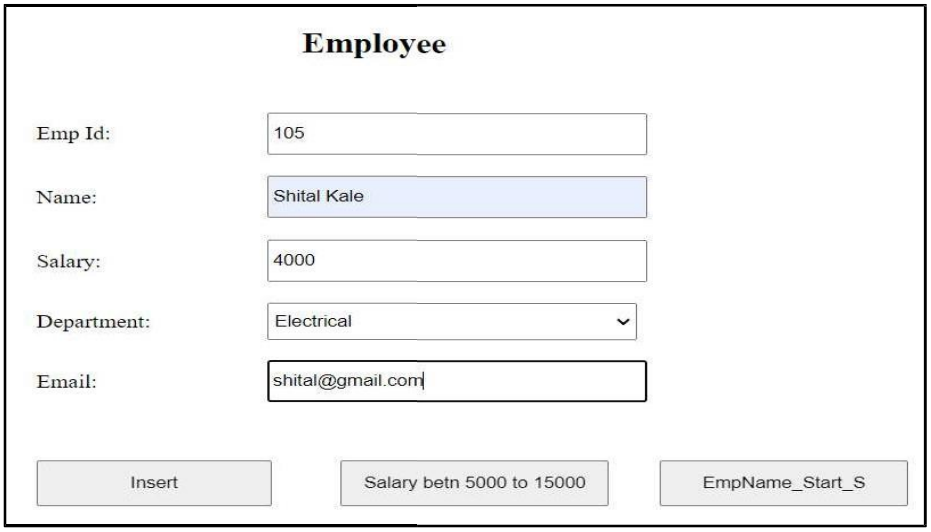
(Empid, Name, salary, department, email)

Source code:-

```
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;

public partial class Que13 : System.Web.UI.Page
{

    SqlConnection cn = new SqlConnection("Data Source=RUTUJA\\SQLEXPRESS; Initial
Catalog=Practical; Integrated Security=True");

    protected void Page_Load(object sender, EventArgs e)
    {
        Label1.Text = "false";
    }
    void Salary_Range()
    {
        cn.Open();
        SqlCommand cmd = new SqlCommand("Select * from Assignment13 where salary>5000 and
salary<15000", cn);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView2.DataSource = dt;
        GridView2.DataBind();
        cn.Close();
    }
    void Emp_start_s()
    {
        cn.Open();
        SqlCommand cmd = new SqlCommand("Select * from Assignment13 where Name LIKE 'S%'
", cn);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView2.DataSource = dt;
        GridView2.DataBind();
        cn.Close();

    }
    void ClearControls()
    {
```

```
        TextName.Text = string.Empty;
        TextSalary.Text = string.Emᵲpty;
        ddlDepartment.SelectedIndex = 0;
        TextEmail.Text = string.Empty;


    }
    protected void Button5_Click(object sender, EventArgs e)
    {
        cn.Open();
        SqlCommand cmd = new SqlCommand("insert into
Assignment13(id,Name,Salary,Department,Email)values("+Convert.ToInt16(TextId.Text)+",'"+Text
Name.Text+"','"+Convert.ToInt16(TextSalary.Text)+",'"+ddlDepartment.S ∈lectedItem.Value+"','"+Te
xtEmail.Text+"')", cn);
        cmd.ExecuteNonQuery();
        cn.Close();

        Response.Write("<script lar guage='javascript'>alert('Records Saved
Successsfully.....')</script>");
        ClearControls();
     }
    protected void Button6_Click(object sender, EventArgs e)
    {
        Salary_Range();
        Label1.Text="The list of Employee whose salary Between 5000 to 15000";

    }
    protected void Button7_Click(object sender, EventArgs e)
    {
        Emp_start_s();
        Label1.Text = "The list of Employee whose Name start with 's'";


    }
}
```

Output:-



Employee

Emp Id: 112

Name: Bhanu shewale

Salary: 9500

Department: Computer

Email: bhanu@gmail.com

Insert | Salary betn 5000 to 15000 | EmpName_Start_S

The list of Employee whose salary Between 5000 to 15000

id	Name	Salary	Department	Email
102	Shraddha Shirke	9000	Electrical	shraddha@gmail.com
103	Amit Khot	10000	HR Department	amit@gmail.com
106	Kiran Chavan	12000	Computer	kiran@gmail.com
108	Deepak Sawant	8000	Civil	deepak@gmail.com
112	Bhanu shewale	9500	Computer	bhanu@gmail.com

Employee

Emp Id: 105

Name: Shital Kale

Salary: 4000

Department: Electrical

Email: shital@gmail.com

Insert | Salary betn 5000 to 15000 | EmpName_Start_S

The list of Employee whose Name start with 's'

id	Name	Salary	Department	Email
102	Shraddha Shirke	9000	Electrical	shraddha@gmail.com
104	Sachin Shinde	15000	Civil	sachin@gmail.com
105	Shital Kale	4000	Electrical	shital@gmail.com
107	Suman Daate	17000	Computer	suman@gmail.com
110	Snehal Khade	20000	HR Department	snehalkhade@gmail.com

Assignment No:14

Q. Insert and update the information for the post of programmer using eligibility criteriaas given below.

(Id, Name, age, marks, email, mobile)

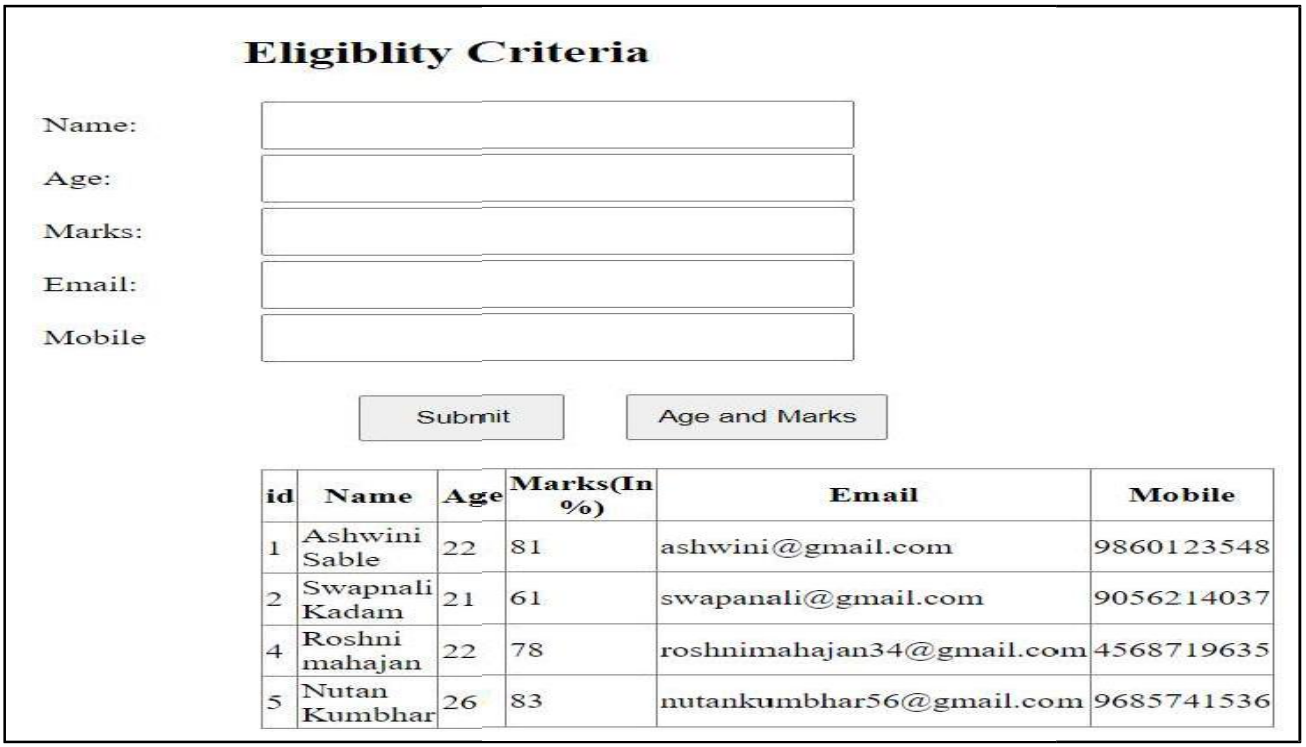
i) (age must be between 20 to 30, marks must be above 60 %)

Source Code:-

```
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;

public partial class Qye14 : System.Web.UI.Page
{

    SqlConnection cn = new SqlConnection("Data Source=RUTUJA\\SQLEXPRESS; Initial
Catalog=Practical; Integrated Security=True");
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    void Eligibility()
    {
        cn.Open();
        SqlCommand cmd = new SqlCommand("Select * from Assignment14 where age BETWEEN
20 AND 30 and [Marks(In %)]>=60", cn);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        cn.Close();

    }
    void ClearControl()
    {
        TextBox1.Text = string.Empty;
        TextBox2.Text = string.Empty;
        TextBox3.Text = string.Empty;
        TextBox4.Text = string.Empty;

        TextBox5.Text = string.Empty;

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
```

```
          cn.Open();
        SqlCommand cmdId = new SqlCommand("select isnull (max(Id),0)+1 from Assignment14", cn);
        HiddenField1.Value = cmdId.ExecuteScalar().ToString();
        cn.Close()
 cn.Open();
        SqlCommand cmd = new SqlCommand("insert into Assignment14(ic ,Name,Age,[Marks(In
%)],Email,Mobile)values(" + Convert.ToInt16(HiddenField1.Value) + ",'" + TextBox1.Text + "','" +
TextBox2.Text + "'," + Convert.ToInt16(TextBox3.Text) + ",'" + TextBox4.Text + "','" +
TextBox5.Text + "')", cn);
        cmd.ExecuteNonQuery();
        cn.Close();
        Response.Write("<script lar guage='javascript'>alert('Records Saved
Successfully .....'</script>");
        ClearControl();
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        Eligibility();
    }
}
```

Output :-



id	Name	Age	Marks(In %)	Email	Mobile
1	Ashwini Sable	22	81	ashwini@gmail.com	9860123548
2	Swapnali Kadam	21	61	swapanali@gmail.com	9056214037
4	Roshni mahajan	22	78	roshnimahajan34@gmail.com	4568719635
5	Nutan Kumbhar	26	83	nutankumbhar56@gmail.com	9685741536

Assignment No – 15

Q. Insert the student data and then display the records as per the given criteria below.Use the fields id, Name, class, gender, marks, email

i) Display only the female candidates of MCA class

ii) Display the list of MSc class of those students who have more than 60% marks.

iii) Display the list of male candidates of both the class but only those who have more than 60%

iv) Display the list of Female of both the class.

Source Code:

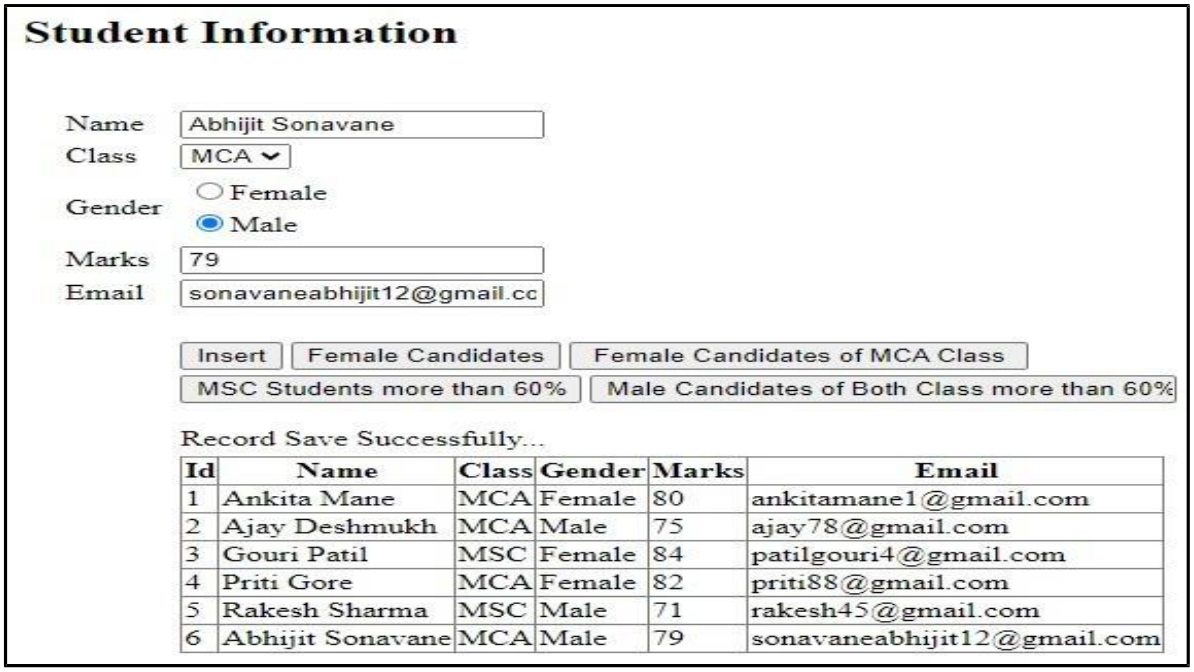
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
public partial class StudentInfo : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection("Data Source = .;Initial Catalog = MCA;Integrated Security=True");
    protected void Page_Load(object sender, EventArgs e)
    {
        Label1.Visible = false;
        LoadData();
    }
    void LoadData()
    {
        con.Close();
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from StudentInfo",con);
        SqlDataReader dr = cmd.ExecuteReader();
```

```
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmdId = new SqlCommand("select isnull(max(id),0)+1 from StudentInfo",con);
        HiddenField1.Value = cmdId.ExecuteScalar().ToString();
        con.Close();
        con.Open();
        SqlCommand cmd = new SqlCommand("insert into StudentInfo
(Id,Name,Class,Gender,Marks,Email)
values("+HiddenField1.Value+",'"+txtName.Text+"','"+ddlClass.SelectedItem.Value+"','"+rbGender.
SelectedItem.Value+"','"+txtMarks.Text+"','"+txtEmail.Text+"')",con);
        cmd.ExecuteNonQuery();
        Label1.Visible = true;
        Label1.Text = "Record Save Successfully...";
        LoadData();
        con.Close();
    }
    protected void Button5_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from StudentInfo where Gender =
'Female'",con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Label1.Visible = true;
        Label1.Text = "Female Candidates";
        con.Close();
```

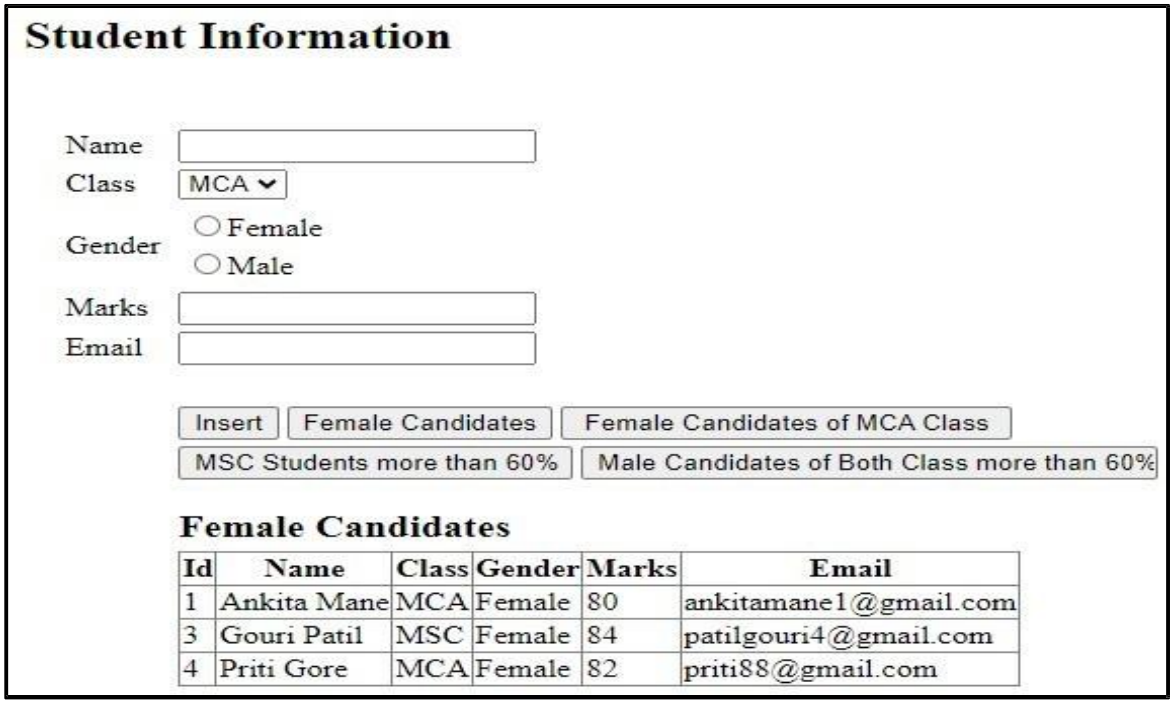
```
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from StudentInfo where Gender = 'Female' and Class = 'MCA'",con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Label1.Visible = true;
        Label1.Text = "Female Candidates of MCA Class";
        con.Close();
    }
    protected void Button3_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from StudentInfo where Class = 'MSC' and Marks >60",con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Label1.Visible = true;
        Label1.Text = "MSC Students having Marks greater than 60%";
        con.Close();
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from StudentInfo where Gender = 'Male' and Marks >60",con);
        SqlDataReader dr = cmd.ExecuteReader();
```

```
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Label1.Visible = true;
        Label1.Text = "Male Students of Both Class having Marks greater than 60%";
        con.Close();
    }
}
```

Output:-



Id	Name	Class	Gender	Marks	Email
1	Ankita Mane	MCA	Female	80	ankitamane1@gmail.com
2	Ajay Deshmukh	MCA	Male	75	ajay78@gmail.com
3	Gouri Patil	MSC	Female	84	patilgouri4@gmail.com
4	Priti Gore	MCA	Female	82	priti88@gmail.com
5	Rakesh Sharma	MSC	Male	71	rakesh45@gmail.com
6	Abhijit Sonavane	MCA	Male	79	sonavaneabhijit12@gmail.com



Female Candidates

Id	Name	Class	Gender	Marks	Email
1	Ankita Mane	MCA	Female	80	ankitamane1@gmail.com
3	Gouri Patil	MSC	Female	84	patilgouri4@gmail.com
4	Priti Gore	MCA	Female	82	priti88@gmail.com

Student Information

Name
Class MCA
Gender ○ Female ○ Male
Marks
Email

Insert | Female Candidates | Female Candidates of MCA Class | MSC Students more than 60% | Male Candidates of Both Class more than 60%

Male Students of Both Class having Marks greater than 60%

Id	Name	Class	Gender	Marks	Email
2	Ajay Deshmukh	MCA	Male	75	ajay78@gmail.com
5	Rakesh Sharma	MSC	Male	71	rakesh45@gmail.com
6	Abhijit Sonavane	MCA	Male	79	sonavaneabhijit12@gmail.com

Student Information

Name
Class MCA
Gender ○ Female ○ Male
Marks
Email

Insert | Female Candidates | Female Candidates of MCA Class | MSC Students more than 60% | Male Candidates of Both Class more than 60%

MSC Students having Marks greater than 60%

Id	Name	Class	Gender	Marks	Email
3	Gouri Patil	MSC	Female	84	patilgouri4@gmail.com
5	Rakesh Sharma	MSC	Male	71	rakesh45@gmail.com

Assignment No – 16

Q. Design a Web form to stores given fields (Id, Name, gender, salary, department, email) and then display

i) All the employees of computer department

ii) All the employees of math's or statistics department

iii) List of female Employee of computer department whose salary is above 15000.

iv) What is total salary of computer department

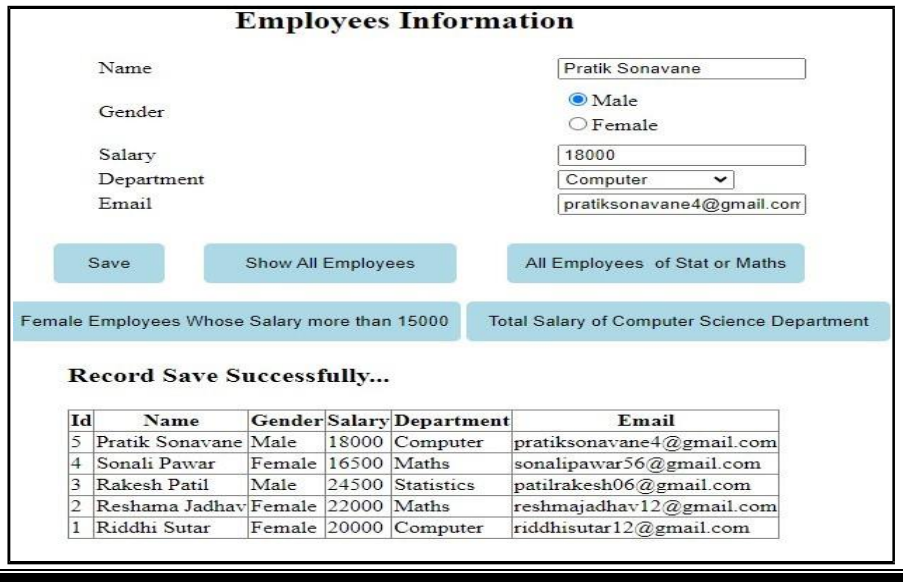
Source Code:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Data;
public partial class EmployeeInfo : System.Web.UI.Page
{  SqlConnection con = new SqlConnection("Data Source=DESKTOP-F1AMD2K;Initial Catalog=DemoDB;Integrated Security=True;");
   protected void Page_Load(object sender, EventArgs e)
{  }
   void LoadDataStatOrMaths()
{con.Open();
      SqlCommand cmd = new SqlCommand("Select * from EmployeeInformation where department = 'statistics' or department = 'Maths'order by id desc ", con);
      SqlDataReader dr = cmd.ExecuteReader();
      DataTable dt = new DataTable();
      dt.Load(dr);
      GridView1.DataSource = dt;
      GridView1.DataBind();
      con.Close();   }
   void LoadDataAllEmployees()
{ con.Open();
```

```
        SqlCommand cmd = new SqlCommand("Select * from EmployeeInformation order by id
desc",con);

        SqlDataReader dr = cmd.ExecuteReader();

        DataTable dt = new DataTable();

        dt.Load(dr);

        GridView1.DataSource = dt;

        GridView1.DataBind();

        con.Close(); }  protected void Button1_Click(object sender, EventArgs e)

    {con.Open();

        GridView1.Visible = true;

        SqlCommand cmdId = new SqlCommand("select isnull(max(id),0)+1 from
EmployeeInformation",con);

        HiddenField1.Value = cmdId.ExecuteScalar().ToString();

        con.Close();

        con.Open();

        SqlCommand cmd = new SqlCommand("insert into EmployeeInformation
(id,name,gender,salary,department,email)
values("+HiddenField1.Value+",'"+txtName.Text+"','"+rbGender.SelectedItem.Value+"','"+txtSalary.
Text+"','"+ddlDepartment.SelectedItem.Value+"','"+txtEmail.Text+"')",con);

        cmd.ExecuteNonQuery();

        Label2.Visible = true;

        Label1.Visible = false;

        Label2.Text = "Record Save Successfully...";

        con.Close();

        LoadDataAllEmployees();    }

    protected void Button2_Click(object sender, EventArgs e)

    {GridView1.Visible = true;

        Label2.Visible = true;

        Label1.Visible = false;

        Label2.Text = "All Employees:";

        LoadDataAllEmployees() ;   }

protected void Button3_Click(object sender, EventArgs e)

    {GridView1.Visible = true;

        Label2.Visible = true;

        Label1.Visible = false;

        Label2.Text = "All Employees in Stat or Maths Department:";
```

```
        LoadDataStatOrMaths()  }
    protected void Button4_Click(object sender, EventArgs e)    {
        GridView1.Visible = true;
        con.Open();
        Label2.Visible = true;
        Label1.Visible = false;
        Label2.Text = "All Female Employees Whose Salary more than 15000:";
        SqlCommand cmd = new SqlCommand("Select * from EmployeeInformation where gender =
'Female' and Salary >15000 order by id desc", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close()  }
    protected void Button5_Click(object sender, EventArgs e)    {
        con.Open();
        GridView1.Visible = false;
        Label1.Visible = true;
        Label2.Visible = true;
        Label2.Text = "Total Salary of the Computer Department is:";
        SqlCommand cmd = new SqlCommand("Select Sum(Salary) from EmployeeInformation
where department = 'Computer'", con);
        Label1.Text = cmd.ExecuteScalar().ToString();
        con.Close();    }
```

Output :-



Employees Information

Name: Pratik Sonavane

Gender: (•) Male ( ) Female

Salary: 18000

Department: Computer

Email: pratiksonavane4@gmail.com

Save | Show All Employees | All Employees of Stat or Maths | Female Employees Whose Salary more than 15000 | Total Salary of Computer Science Department

All Female Employees Whose Salary more than 15000:

Id	Name	Gender	Salary	Department	Email
4	Sonali Pawar	Female	16500	Maths	sonalipawar56@gmail.com
2	Reshama Jadhav	Female	22000	Maths	reshmajadhav12@gmail.com
1	Riddhi Sutar	Female	20000	Computer	riddhisutar12@gmail.com

Employees Information

Name: Pratik Sonavane

Gender: (•) Male ( ) Female

Salary: 18000

Department: Computer

Email: pratiksonavane4@gmail.com

Save | Show All Employees | All Employees of Stat or Maths | Female Employees Whose Salary more than 15000 | Total Salary of Computer Science Department

All Employees in Stat or Maths Department:

Id	Name	Gender	Salary	Department	Email
4	Sonali Pawar	Female	16500	Maths	sonalipawar56@gmail.com
3	Rakesh Patil	Male	24500	Statistics	patilrakesh06@gmail.com
2	Reshama Jadhav	Female	22000	Maths	reshmajadhav12@gmail.com

Employees Information

Name: Pratik Sonavane

Gender: (•) Male ( ) Female

Salary: 18000

Department: Computer

Email: pratiksonavane4@gmail.com

Save | Show All Employees | All Employees of Stat or Maths | Female Employees Whose Salary more than 15000 | Total Salary of Computer Science Department

Total Salary of the Computer Department is: 38000

Employees Information

Name: Pratik Sonavane

Gender: (•) Male ( ) Female

Salary: 18000

Department: Computer

Email: pratiksonavane4@gmail.com

Save | Show All Employees | All Employees of Stat or Maths | Female Employees Whose Salary more than 15000 | Total Salary of Computer Science Department

All Employees:

Id	Name	Gender	Salary	Department	Email
5	Pratik Sonavane	Male	18000	Computer	pratiksonavane4@gmail.com
4	Sonali Pawar	Female	16500	Maths	sonalipawar56@gmail.com
3	Rakesh Patil	Male	24500	Statistics	patilrakesh06@gmail.com
2	Reshama Jadhav	Female	22000	Maths	reshmajadhav12@gmail.com
1	Riddhi Sutar	Female	20000	Computer	riddhisutar12@gmail.com

Assignment No – 17

Q. Write a program to insert the given fields and then display the following (userid , username, date, transactionMode (deposite/withdraw), amout)

i) Display all records of amount deposited.

ii) Display the amount available on the account

iii) Display all the transactions

iv) Displays the total amounts withdraw.

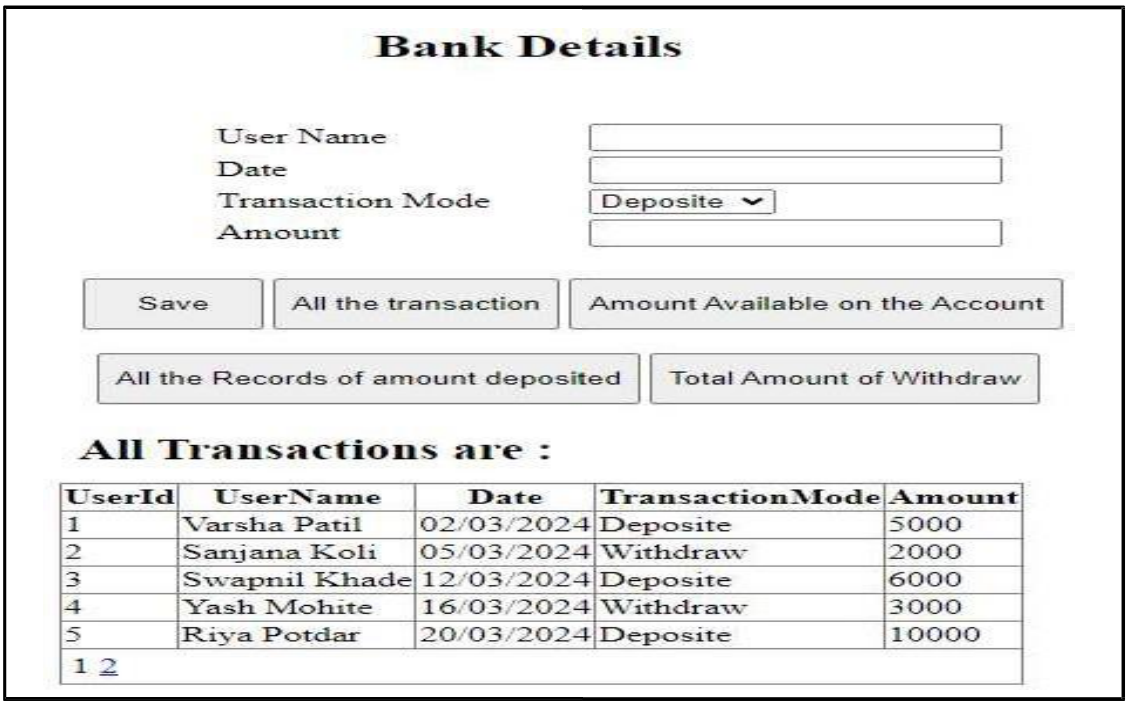
Source Code:-

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

public partial class BankDetails : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection("Data Source = DESKTOP-
F1AMD2K;Initial Catalog = DemoDB;Integrated Security = True");
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    void LoadData()
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("select
UserId,UserName,Convert(varchar,Date,103) as Date,TransactionMode,Amount from
BankDetails order by UserId",con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Label1.Visible = true;
        Label1.Text = "All Transactions are :";
        con.Close();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        GridView1.Visible = true;
        Label2.Visible = false;
        con.Open();
```

```
        SqlCommand cmdId = new SqlCommand("select isnull(max(UserId),0)+1 from
BankDetails", con);
        HiddenField1.Value = cmdId.ExecuteScalar().ToString();
        con.Close();

        con.Open();
        SqlCommand cmd = new SqlCommand("insert into BankDetails
(UserId,UserName,Date,TransactionMode,Amount) values
("+HiddenField1.Value+",'"+txtUserName.Text+"','"+Convert.ToDateTime(txtDate.Te
xt)+"','"+ddlTransactionMode.SelectedItem.Value+"','"+Convert.ToDouble(txtAmoun
t.Text)+"')",con);
        cmd.ExecuteNonQuery();
        Label1.Visible = true;
        Label1.Text = "Record Inserted Successfully...";
        con.Close();
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        GridView1.Visible = true;
        Label2.Visible = false;
        LoadData();
    }
    protected void GridView1_PageIndexChanging(object sender,
GridViewPageEventArgs e)
    {
        GridView1.PageIndex = e.NewPageIndex;
        LoadData();
    }
    protected void Button3_Click(object sender, EventArgs e)
    {
        GridView1.Visible = false;
        con.Open();
        SqlCommand cmd = new SqlCommand("select Sum(Amount) from BankDetails",
con);
        Label1.Visible = true;
        Label2.Visible = true;
        Label1.Text = "Total Amount Available in the Account is :";
        Label2.Text = cmd.ExecuteScalar().ToString();
        con.Close();
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        GridView1.Visible = true;
        Label2.Visible = false;
        con.Open();
        SqlCommand cmd = new SqlCommand("select
UserId,UserName,Convert(varchar,Date,103) as Date,TransactionMode,Amount from
BankDetails where TransactionMode = 'Deposite'", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        Label1.Visible = true;
        Label1.Text = "All the Records of amount Deposited are:";
```

```
        con.Close();
    }
    protected void Button5_Click(object sender, EventArgs e)
    {
        GridView1.Visible = false;
        con.Open();
        SqlCommand cmd = new SqlCommand("Select Sum(Amount) from BankDetails
where TransactionMode = 'Withdraw' ",con);
        Label2.Text = cmd.ExecuteScalar().ToString();
        Label1.Text = "Total Amount Withdraw from the Account is :";
        Label1.Visible = true;
        Label2.Visible = true;
    }
}
```

Output:-



Bank Details

User Name
Date
Transaction Mode Deposite
Amount

Save | All the transaction | Amount Available on the Account

All the Records of amount deposited | Total Amount of Withdraw

All the Records of amount Deposited are:

UserId	UserName	Date	TransactionMode	Amount
1	Varsha Patil	02/03/2024	Deposite	5000
3	Swapnil Khade	12/03/2024	Deposite	6000
5	Riya Potdar	20/03/2024	Deposite	10000
6	Sonali Kapse	03/02/2024	Deposite	8000

Bank Details

User Name
Date
Transaction Mode Deposite
Amount

Save | All the transaction | Amount Available on the Account

All the Records of amount deposited | Total Amount of Withdraw

Total Amount Available in the Account is : 34000

Bank Details

User Name
Date
Transaction Mode Deposite
Amount

Save | All the transaction | Amount Available on the Account

All the Records of amount deposited | Total Amount of Withdraw

Total Amount Withdraw from the Account is : 5000

Assignment No – 19

Q. Create a table for student registration using the fields Sid, Sname, Contact, email,DOB, class, marks then

i) Provide a facility to insert the records

ii) Display all the records of first class student

iii) Display the list of MCA class

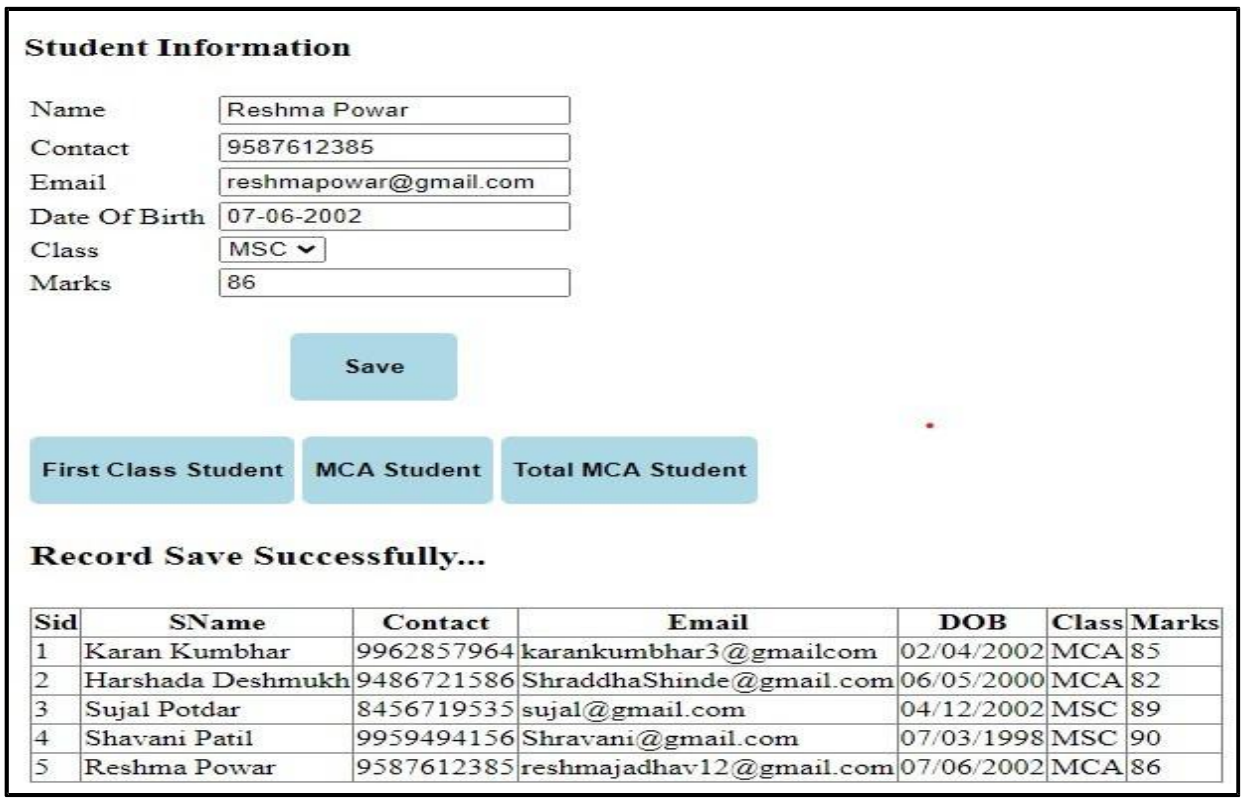
iv) Display the total no of student of MCA class

Source Code:-

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

public partial class StudentRegistration : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection("Data Source = DESKTOP-F1AMD2K;Initial Catalog
=DemoDB ;Integrated Security=True");
    protected void Page_Load(object sender, EventArgs e)
    {
        Label1.Visible = false;
        Label2.Visible = false;
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Visible = true;
        Label2.Visible = false;

        con.Open();
        SqlCommand cmdId = new SqlCommand("select isnull(max(sid),0)+1 from
StudentRegistration", con);
        HiddenField1.Value = cmdId.ExecuteScalar().ToString();
        con.Close();

        con.Open();
        SqlCommand cmd = new SqlCommand("insert into StudentRegistration
(Sid,SName,Contact,Email,DOB,Class,Marks) values ('" + HiddenField1.Value + "','" +
txtName.Text + "','" + txtContact.Text + "','" + txtEmail.Text + "','" + txtDOB.Text + "','" +
ddlClass.SelectedItem.Value + "','" + txtMarks.Text + "')", con);
        cmd.ExecuteNonQuery();
        Label1.Text = "Record Save Successfully...";
        con.Close();
    }
    protected void Button2_Click(object sender, EventArgs e)
```

```
    {
        Label1.Visible = true;
        Label2.Visible = false;
        GridView1.Visible = true;
        con.Open();
        Label1.Text = "First Class Students are :";
        SqlCommand cmd = new SqlCommand("Select Sid,SName,Contact,Email,Convert(varchar,
  dob,103) as DOB,Class,Marks from StudentRegistration where marks >=80", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();

    }
    protected void Button3_Click(object sender, EventArgs e)
    {
        Label1.Visible = true;
        Label2.Visible = false;
        GridView1.Visible = true;
        con.Open();
        Label1.Text = "MCA Students are :";
        SqlCommand cmd = new SqlCommand("select Sid,SName,Contact,Email,Convert(varchar,
  dob,103) as DOB,Class,Marks from StudentRegistration where Class = 'MCA'", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        Label1.Visible = true;
        Label2.Visible = true;
        GridView1.Visible = false;
        Label1.Text = "Total Count of the MCA Students are :";
        con.Open();
        SqlCommand cmd = new SqlCommand("select count(Sid) from StudentRegistration where
  Class = 'MCA'", con);
        Label2.Text = cmd.ExecuteScalar().ToString();
        con.Close();
    }
}
```

Output :-



Student Information

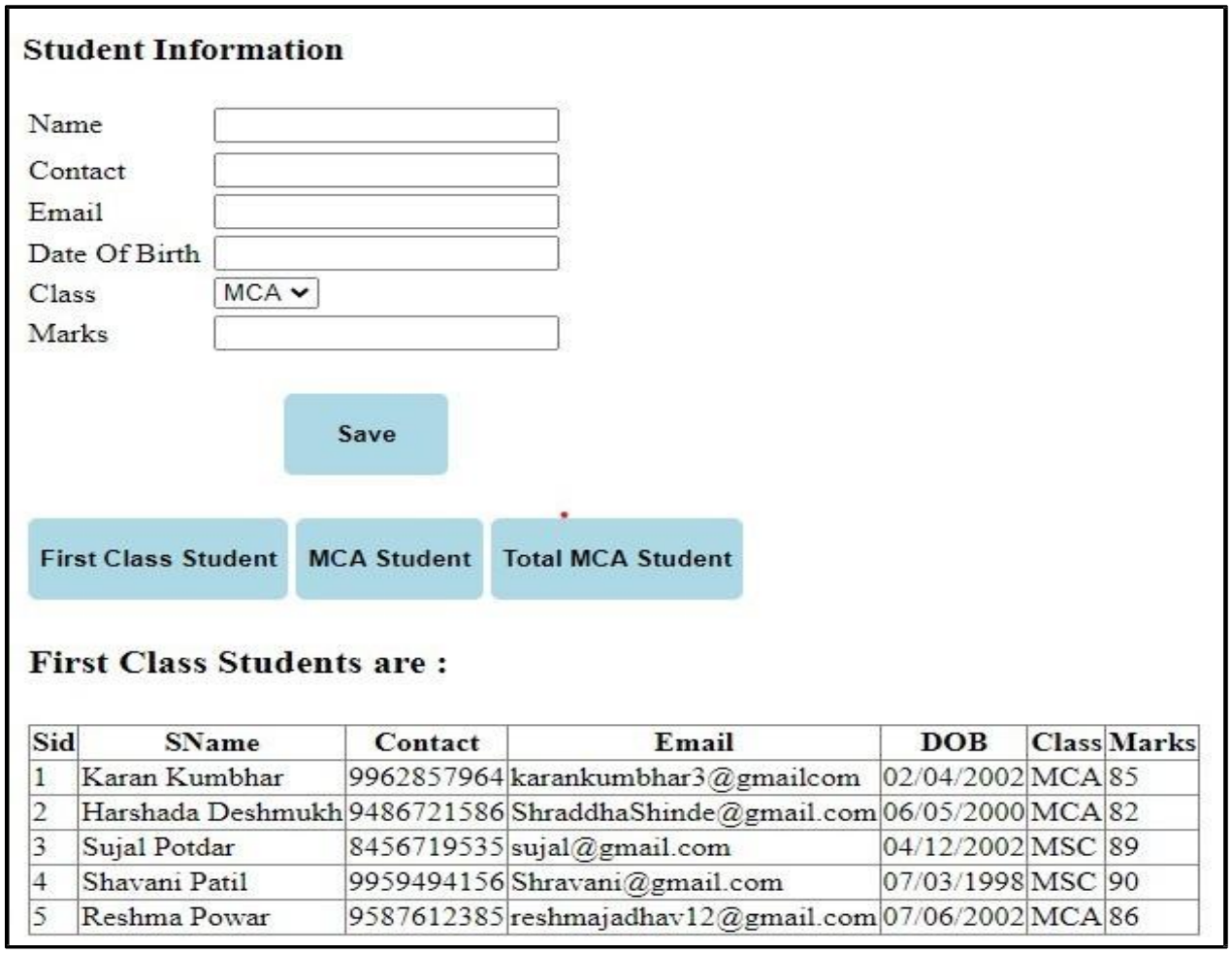
Name: Reshma Powar
Contact: 9587612385
Email: reshmapowar@gmail.com
Date Of Birth: 07-06-2002
Class: MSC
Marks: 86

Save

First Class Student | MCA Student | Total MCA Student

Record Save Successfully...

Sid	SName	Contact	Email	DOB	Class	Marks
1	Karan Kumbhar	9962857964	karankumbhar3@gmailcom	02/04/2002	MCA	85
2	Harshada Deshmukh	9486721586	ShraddhaShinde@gmail.com	06/05/2000	MCA	82
3	Sujal Potdar	8456719535	sujal@gmail.com	04/12/2002	MSC	89
4	Shavani Patil	9959494156	Shravani@gmail.com	07/03/1998	MSC	90
5	Reshma Powar	9587612385	reshmajadhav12@gmail.com	07/06/2002	MCA	86



Student Information

Name:
Contact:
Email:
Date Of Birth:
Class: MCA
Marks:

Save

First Class Student | MCA Student | Total MCA Student

First Class Students are :

Sid	SName	Contact	Email	DOB	Class	Marks
1	Karan Kumbhar	9962857964	karankumbhar3@gmailcom	02/04/2002	MCA	85
2	Harshada Deshmukh	9486721586	ShraddhaShinde@gmail.com	06/05/2000	MCA	82
3	Sujal Potdar	8456719535	sujal@gmail.com	04/12/2002	MSC	89
4	Shavani Patil	9959494156	Shravani@gmail.com	07/03/1998	MSC	90
5	Reshma Powar	9587612385	reshmajadhav12@gmail.com	07/06/2002	MCA	86

Student Information

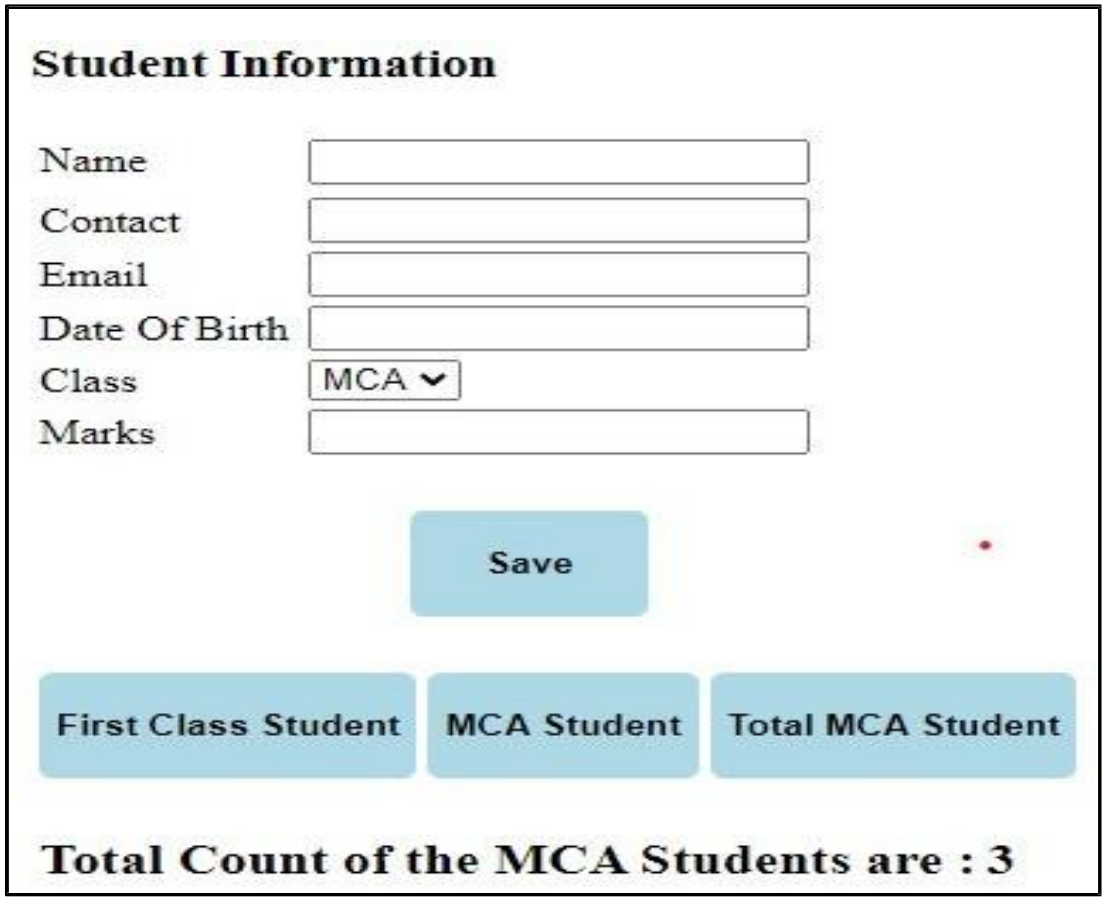
Name
Contact
Email
Date Of Birth
Class MCA
Marks

Save

First Class Student | MCA Student | Total MCA Student

MCA Students are :

Sid	SName	Contact	Email	DOB	Class	Marks
1	Karan Kumbhar	9962857964	karankumbhar3@gmailcom	02/04/2002	MCA	85
2	Harshada Deshmukh	9486721586	ShraddhaShinde@gmail.com	06/05/2000	MCA	82
5	Reshma Powar	9587612385	reshmajadhav12@gmail.com	07/06/2002	MCA	86



Assignment No – 20

Q. Create a table named Employee using the fields (Emp_Id, Emp_Name, Salary, DOB, Department) then,

i) provide facility of inserting and updating the records using C#.NET Application

ii) Display all the list of employees whose salary is above 5000

iii) Display the average salary of 'Computer Department'.

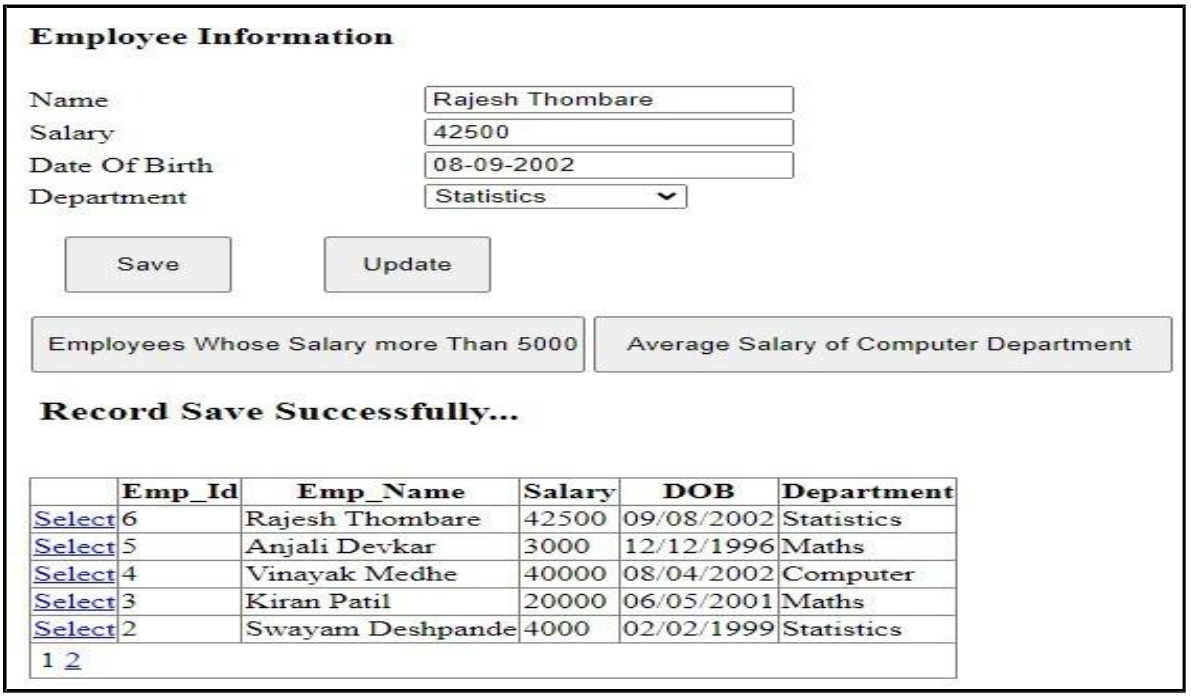
Source Code:-

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

public partial class Employee : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection("Data Source = DESKTOP-
F1AMD2K;Initial Catalog = DemoDB; Integrated Security = True");
    protected void Page_Load(object sender, EventArgs e)
    {
        Label1.Visible = false;
        Label2.Visible = false;
        LoadData();
    }

    void LoadData()
    {
        con.Close();
        con.Open();
        SqlCommand cmd = new SqlCommand("select
Emp_Id,Emp_Name,Salary,Convert(varchar,DOB,103) as DOB,Department from Employee
order by Emp_Id desc", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        GridView1.Visible = true;
        con.Open();
```

```
        SqlCommand cmdId = new SqlCommand("Select isnull(max(Emp_Id),0)+1 from
Employee",con);
        HiddenField1.Value = cmdId.ExecuteScalar().ToString();
        SqlCommand cmd = new SqlCommand("insert into Employee
(Emp_Id,Emp_Name,Salary,DOB,Department) values (" + HiddenField1.Value + ",'" +
txtName.Text + "','" + txtSalary.Text + "','" + Convert.ToDateTime(txtDOB.Text)
+ "','" + ddlDepartment.SelectedItem.Value + "')", con);
        cmd.ExecuteNonQuery();
        Label1.Visible = true;
        Label1.Text = "Record Save Successfully...";
        LoadData();
    }
    protected void GridView1_PageIndexChanging(object sender,
GridViewPageEventArgs e)
    {
        GridView1.Visible = true;
        GridView1.PageIndex = e.NewPageIndex;
        LoadData();
    }
    protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
    {
        HiddenField1.Value = GridView1.SelectedRow.Cells[1].Text;
        con.Open();
        SqlCommand cmd = new SqlCommand("select * from Employee where Emp_Id =
" + HiddenField1.Value + "", con);
        SqlDataReader dr = cmd.ExecuteReader();
        dr.Read();
        txtName.Text = dr["Emp_Name"].ToString();
        txtSalary.Text = dr["Salary"].ToString();
        DateTime dob = Convert.ToDateTime(dr["DOB"]);
        txtDOB.Text = dob.ToString("dd/MMM/yyyy");
        ddlDepartment.SelectedItem.Value = dr["Department"].ToString();
        con.Close();
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("update Employee set Emp_Name =
'"+txtName.Text+"',Salary = '"+txtSalary.Text+"',DOB =
'"+Convert.ToDateTime(txtDOB.Text)+"',Department =
'"+ddlDepartment.SelectedItem.Text+"' where Emp_Id =
'"+HiddenField1.Value+"'",con);
        cmd.ExecuteNonQuery();
        Label1.Visible = true;
        Label1.Text = "Record Updated Successfully...";
        con.Close();
        LoadData();
    }
    protected void Button5_Click(object sender, EventArgs e)
    {
        GridView1.Visible = true;
        con.Open();
        Label1.Visible = true;
        Label1.Text = "Employees Whose Salary is more than 5000 are :";
```

```
        SqlCommand cmd = new SqlCommand("select
Emp_Id,Emp_Name,Salary,Convert(varchar,DOB,103) as DOB,Department from Employee
where salary >= 5000", con);
        SqlDataReader dr = cmd.ExecuteReader();
        DataTable dt = new DataTable();
        dt.Load(dr);
        GridView1.DataSource = dt;
        GridView1.DataBind();
        con.Close();
    }
    protected void Button6_Click(object sender, EventArgs e)
    {
        GridView1.Visible = false;
        Label1.Visible = true;
        Label2.Visible = true;
        Label1.Text = "Average Salary of Computer Department is :";
        con.Open();
        SqlCommand cmd = new SqlCommand("select avg(Salary) from Employee where
Department = 'Computer'",con);
        Label2.Text = cmd.ExecuteScalar().ToString();
        con.Close();

    }
    protected void Button7_Click(object sender, EventArgs e)
    {
        GridView1.Visible = true;

        LoadData();
    }
}
```

Output :-



Employee Information

Name
Salary
Date Of Birth
Department Computer

Save Update

Employees Whose Salary more Than 5000 | Average Salary of Computer Department

Average Salary of Computer Department is : 36666.6666666667

Employee Information

Name Sarojani Patil
Salary 20000
Date Of Birth 06/May/2001
Department Computer

Save Update

Employees Whose Salary more Than 5000 | Average Salary of Computer Department

Record Updated Successfully...

	Emp_Id	Emp_Name	Salary	DOB	Department
Select	6	Rajesh Thombare	42500	09/08/2002	Statistics
Select	5	Anjali Devkar	3000	12/12/1996	Maths
Select	4	Vinayak Medhe	40000	08/04/2002	Computer
Select	3	Sarojani Patil	20000	05/06/2001	Computer
Select	2	Swayam Deshpande	4000	02/02/1999	Statistics
1 2					

Employee Information

Name
Salary
Date Of Birth
Department Computer

Save Update

Employees Whose Salary more Than 5000 | Average Salary of Computer Department

Employees Whose Salary is more than 5000 are :

	Emp_Id	Emp_Name	Salary	DOB	Department
Select	1	Roshini Kadam	50000	12/12/2002	Computer
Select	3	Sarojani Patil	20000	05/06/2001	Computer
Select	4	Vinayak Medhe	40000	08/04/2002	Computer
Select	6	Rajesh Thombare	42500	09/08/2002	Statistics