Lab Ex.1

Create a web application to display "Welcome to the world of ASP.NET" on web browser when user "Click" button is clicked.

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

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

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        <asp:Button id="btn1" runat="server" Text="Click me" onclick="btn1_Click" />
    </div>
    </form>
</body>
</html>

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

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

    }
    protected void btn1_Click(object sender, EventArgs e)
    {
        Response.Write("Welcome to the world of ASP.NET");
    }
}
```

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Lab Ex.2

Create a web page in which user can enter enrollment no, student name and marks of 5 subjects. Calculate total, percentage and grade of student and display it. [Use text box, label, button control].

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Lab2.aspx.cs" Inherits="Lab2" %>

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

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        <asp:Label ID="Label1" runat="server" Text="Enrollment No."></asp:Label>
        <asp:TextBox ID="fEnroll" runat="server"></asp:TextBox>
    </div>
     <div>
        <asp:Label ID="Label2" runat="server" Text="Student Name"></asp:Label>
        <asp:TextBox ID="fStudent" runat="server"></asp:TextBox>
    </div>
     <div>
        <asp:Label ID="Label3" runat="server" Text="Subject1"></asp:Label>
        <asp:TextBox ID="fSubj1" runat="server"></asp:TextBox>
    </div>
     <div>
        <asp:Label ID="Label4" runat="server" Text="Subject2"></asp:Label>
        <asp:TextBox ID="fSubj2" runat="server"></asp:TextBox>
    </div>
     <div>
        <asp:Label ID="Label5" runat="server" Text="Subject3"></asp:Label>
        <asp:TextBox ID="fSubj3" runat="server"></asp:TextBox>
    </div>
     <div>
        <asp:Label ID="Label6" runat="server" Text="Subject4"></asp:Label>
        <asp:TextBox ID="fSubj4" runat="server"></asp:TextBox>
    </div>
     <div>
        <asp:Label ID="Label7" runat="server" Text="Subject5"></asp:Label>
        <asp:TextBox ID="fSubj5" runat="server"></asp:TextBox>
    </div>
    <div>
        <asp:Button ID="Button1" runat="server" Text="Result" onclick="Button1_Click" />
    </div>
    <div>
        <asp:Label ID="fTotal" runat="server" Text="Label"></asp:Label><br />
        <asp:Label ID="fAvg" runat="server" Text="Label"></asp:Label><br />
        <asp:Label ID="fGrade" runat="server" Text="Label"></asp:Label>
    </div>
    </form>
</body>
```

```
</html>

int s1, s2, s3, s4, s5, totalMarks;
        s1 =Int32.Parse( fSubj1.Text);
        s2 = Int32.Parse(fSubj2.Text);
        s3 = Int32.Parse(fSubj3.Text);
        s4 = Int32.Parse(fSubj4.Text);
        s5 = Int32.Parse(fSubj5.Text);
        totalMarks =  s1 + s2 + s3 + s4 + s5;

        double percentage = (totalMarks / 5.0); // Assuming each subject is out of
100

        // Determine grade based on percentage
        string grade=string.Empty;
        if (percentage >= 90)
            grade = "A+";
        else if (percentage >= 80)
            grade = "A";
        else if (percentage >= 70)
            grade = "B";
        else if (percentage >= 60)
            grade = "C";
        else if (percentage >= 50)
            grade = "D";
        else
            grade = "F"; // Fail
        fTotal.Text = "Total: "+totalMarks.ToString();
        fPercent.Text = "Percentage: "+percentage.ToString();
        fGrade.Text = "Grade: "+grade.ToString();
```
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Lab Ex.3

Write a program to enable - disable textbox and change width of text box programmatically.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Lab3.aspx.cs" Inherits="Lab3"
%>

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

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
     <div>
            <asp:TextBox ID="txtDynamic" runat="server"></asp:TextBox>
            <asp:Button ID="btnToggle" runat="server" Text="Toggle Enable/Disable"
OnClick="btnToggle_Click" />
            <asp:Button ID="btnChangeWidth" runat="server" Text="Change Width"
OnClick="btnChangeWidth_Click" />
        </div>
    </form>
</body>
</html>
```

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

public partial class Lab3 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {
            txtDynamic.Enabled = true;
            txtDynamic.Width = new Unit(200);
        }
    }
    protected void btnToggle_Click(object sender, EventArgs e)
    {
        txtDynamic.Enabled = !txtDynamic.Enabled;
    }

    protected void btnChangeWidth_Click(object sender, EventArgs e)
    {
        txtDynamic.Width = new Unit(txtDynamic.Width.Value + 50);
    }
}
```

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Lab Ex.4

Create a web page that will take two radio buttons labeled as a gender, if user selects radio button the gender will be changed according to selected radio button.

```asp
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Lab4.aspx.cs" Inherits="Lab4"
%>

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

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
        <asp:Label ID="Label1" runat="server" Text="Gender"></asp:Label>
        <asp:RadioButton ID="fMale" runat="server"  Text="Male" GroupName="gender" />
        <asp:RadioButton ID="fFemale" runat="server" Text="Female" GroupName="gender"
/>
    </div>
<div>   <asp:Button ID="Button1" runat="server" Text="Submit" onclick="Button1_Click"
/></div>
    </form>
```

```
</body>
</html>

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

public partial class Lab4 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        if (fMale.Checked == true) Response.Write("Male Checked");
        if (fFemale.Checked == true) Response.Write("Female Checked");
    }
}
```

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Lab Ex.5

Write a program which have list box and image controls, list box is used to display items and when user clicks on item in list box it display the item image in image control.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Lab5.aspx.cs" Inherits="Lab5"
%>

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

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
      <div>
            <asp:ListBox ID="ListBox1" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="ListBox1_SelectedIndexChanged">
                <asp:ListItem Text="Select an item..." Value="0"></asp:ListItem>
                <asp:ListItem Text="Item 1" Value="1"></asp:ListItem>
                <asp:ListItem Text="Item 2" Value="2"></asp:ListItem>
                <asp:ListItem Text="Item 3" Value="3"></asp:ListItem>
            </asp:ListBox>
            <br />
            <asp:Image ID="fImage" runat="server" Height="200px" Width="200px" />
        </div>
    </form>
</body>
</html>
```

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

public partial class Lab5 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {
            DisplayImageForSelectedItem();
        }
    }
    protected void ListBox1_SelectedIndexChanged(object sender, EventArgs e)
    {
        DisplayImageForSelectedItem();
    }
    private void DisplayImageForSelectedItem()
    {
        // Map selected index to image URL
        string[] images = {
                "", // Index 0 (no item selected)
                "~/Images/1.jpg", // Index 1 (Item 1)
                "~/Images/2.jpg", // Index 2 (Item 2)
                "~/Images/3.jpg"  // Index 3 (Item 3)
            };

        int selectedIndex = ListBox1.SelectedIndex;

        if (selectedIndex >= 0 && selectedIndex < images.Length)
        {
            fImage.ImageUrl = images[selectedIndex];
        }
        else
        {
            fImage.ImageUrl = "";
        }
    }
}
```
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