



22SOECE11004

Web Application Development using ASP.NET(CE917)

Assignment-1

Que:1 Create ASP.NET page to accept a name from the user and display welcome message.

Aspx code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs"
Inherits="YourNamespace.Default" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Welcome Page</title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <h2>Welcome Application</h2>
      <asp:Label ID="Label1" runat="server" Text="Enter your name:"
AssociatedControlID="txtName"></asp:Label>
      <asp:TextBox ID="txtName" runat="server"></asp:TextBox>
```

```

        <asp:Button ID="btnSubmit" runat="server" Text="Submit" OnClick="btnSubmit_Click" />

        <br /><br />
        <asp:Label ID="lblMessage" runat="server" ForeColor="Blue"></asp:Label>
    </div>
</form>
</body>
</html>

```

aspx.cs code

```

using System;

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

        protected void btnSubmit_Click(object sender, EventArgs e)
        {
            string name = txtName.Text.Trim();
            if (!string.IsNullOrEmpty(name))
            {
                lblMessage.Text = $"Welcome, {name}!";
            }
            else
            {
                lblMessage.Text = "Please enter your name.";
            }
        }
    }
}

```

OUTPUT:

Welcome Application

Enter your name: Ayushi Babariya

Submit

Welcome, Ayushi Babariya!

QUE:2 Create ASP.NET page to generate the Temperature Conversion.

Aspx code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Assignment1_Q2.aspx.cs"
Inherits="_6_ASP.NET.Assignment1_Q2" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

<title>Ayushi Babariya</title>

</head>

<body>

Welcome Ayushi Babariya

```
<form id="form1" runat="server">
```

<div>

[illegible]

```
<asp:Label ID="Label1" runat="server" Text="Add temperature"></asp:Label>
```

```
<asp:TextBox ID="TextBox1" runat="server" OnTextChanged="TextBox1_TextChanged"
```

```
style="margin-left: 30px"></asp:TextBox>
```



```
}  
}  
};
```

OUTPUT:

Temperature in Fahrenheit is 73

Welcome Ayushi Babariya

Add temperature

Que-3 Create a component that receives two numbers from the user through a Web Form, and based on the user's selection it performs algebraic operations on the two numbers and returns the result to the Web Form. The result should be displayed in the Web Form

Aspx code

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Assignment1(Q3).aspx.cs"
Inherits="YourNamespace.Assignment1_Q3" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Algebraic Operations</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h3>Ayushi Babariya</h3>
            <h2>Algebraic Operations</h2>
            <div>
                <label for="txtNumber1">Number 1:</label>
                <asp:TextBox ID="txtNumber1" runat="server" />
            </div>
            <div>
                <label for="txtNumber2">Number 2:</label>
                <asp:TextBox ID="txtNumber2" runat="server" />
            </div>
            <div>
                <label for="ddlOperation">Operation:</label>
                <asp:DropDownList ID="ddlOperation" runat="server">
                    <asp:ListItem Text="Addition" Value="Add" />
                    <asp:ListItem Text="Subtraction" Value="Subtract" />
                    <asp:ListItem Text="Multiplication" Value="Multiply" />
                    <asp:ListItem Text="Division" Value="Divide" />
                </asp:DropDownList>
            </div>
            <div>
                <asp:Button ID="btnCalculate" runat="server" Text="Calculate" OnClick="btnCalculate_Click" />
            </div>
            <div>
                <asp:Label ID="lblResult" runat="server" ForeColor="Green" />
                <asp:Label ID="lblError" runat="server" ForeColor="Red" />
            </div>
        </div>
    </form>
</body>
</html>

```

aspx.cs code

using System;

```

namespace YourNamespace
{
    public partial class Assignment1_Q3 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            // Clear messages on page load
            lblResult.Text = string.Empty;
            lblError.Text = string.Empty;
        }

        protected void btnCalculate_Click(object sender, EventArgs e)
        {
            try
            {
                // Parse input numbers
                double number1 = double.Parse(txtNumber1.Text);
                double number2 = double.Parse(txtNumber2.Text);

                // Perform the selected operation
                string operation = ddlOperation.SelectedValue;
                double result;

                switch (operation)
                {
                    case "Add":
                        result = number1 + number2;
                        lblResult.Text = $"Result: {result}";
                        break;
                    case "Subtract":
                        result = number1 - number2;
                        lblResult.Text = $"Result: {result}";
                        break;
                    case "Multiply":
                        result = number1 * number2;
                        lblResult.Text = $"Result: {result}";
                        break;
                    case "Divide":
                        if (number2 == 0)
                        {

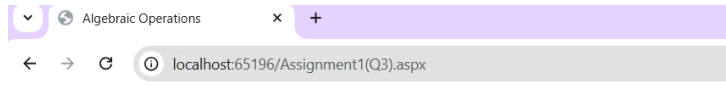
```

```

        lblError.Text = "Division by zero is not allowed.";
    }
    else
    {
        result = number1 / number2;
        lblResult.Text = $"Result: {result}";
    }
    break;
default:
    lblError.Text = "Invalid operation.";
    break;
}
}
catch (FormatException)
{
    lblError.Text = "Please enter valid numbers.";
}
catch (Exception ex)
{
    lblError.Text = $"An error occurred: {ex.Message}";
}
}
}
}

```

OUTPUT:



Ayushi Babariya

Algebraic Operations

Number 1:

Number 2:

Operation: ▾

Result: 32

QUE:4 Create ASP.NET page to demonstrate “AutoPostBack” property for controls available.

Aspx code

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Assignment1(Q4).aspx.cs" Inherits="Assignment1_Q4" %>
```

```
<!DOCTYPE html>  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
  <title>AutoPostBack Demo</title>  
</head>  
<body>  
  <form id="form1" runat="server">  
    <div style="font-family: Arial; margin: 20px;">
```

BABARIYA AYUSHI VINODBHAI

CE

```

<h3>Ayushi Babariya</h3>
<h4>AutoPostBack Property Demo</h4>

<!-- DropDownList with AutoPostBack -->
<asp:Label ID="Label1" runat="server" Text="Select an option: "></asp:Label>
<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="true"
    OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged">
    <asp:ListItem Text="--Select--" Value=""></asp:ListItem>
    <asp:ListItem Text="Option 1" Value="Option 1"></asp:ListItem>
    <asp:ListItem Text="Option 2" Value="Option 2"></asp:ListItem>
    <asp:ListItem Text="Option 3" Value="Option 3"></asp:ListItem>
</asp:DropDownList>
<br /><br />

<!-- Label to display output -->
<asp:Label ID="ResultLabel" runat="server" Font-Bold="true" ForeColor="Green"></asp:Label>
</div>
</form>
</body>
</html>

```

Aspx.cs Code

```

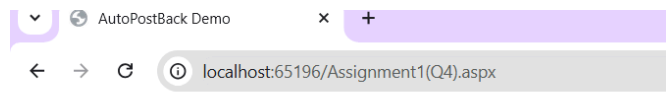
using System;
using System.Web.UI.WebControls;

public partial class Assignment1_Q4 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (!IsPostBack)
        {
            // Initial message for the user
            ResultLabel.Text = "Please select an option from the dropdown.";
        }
    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        // Display the selected item from the dropdown
        ResultLabel.Text = "You selected: " + DropDownList1.SelectedItem.Text;
    }
}

```

OUTPUT:



Ayushi Babariya

AutoPostBack Property Demo

Select an option:

You selected: Option 1