**1.String Manipulation**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

while (true)

{

char str1;

Console.Write("Enter the Alphabet : ");

str1 = Console.ReadLine()[0];

if ((str1 == 'A' || str1 == 'a') || (str1 == 'E' || str1 == 'e') || (str1 == 'i' || str1 == 'I') ||

(str1 == 'o' || str1 == 'O') || (str1 == 'u' || str1 == 'U'))

{

Console.WriteLine("You have entered a volwel");

}

else

{

Console.WriteLine("You have entered a consonent");

}

if (char.ToUpper(str1) == str1)

{

Console.WriteLine("The given letter to capital");

}

else

{

Console.WriteLine("The given letter to small");

}

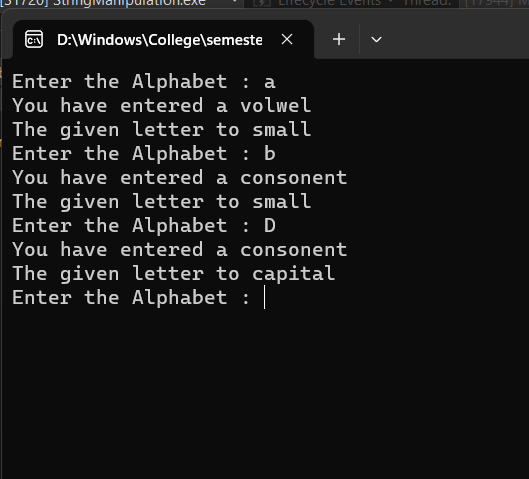
}

}

}

}

**Output**



**2. Area of square**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

while (true)

{

Console.WriteLine("1 .Rectangle \n2. Circle \n3. Square");

Console.Write("Enter the your choice : ");

string choice = Console.ReadLine();

if (choice == "1")

{

Console.Write("Enter the Height : ");

int height = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter the width : ");

int width = Convert.ToInt32(Console.ReadLine());

int area = height \* width;

Console.WriteLine("Area of the reactangle is : " + area);

}

else if (choice == "2")

{

Console.Write("Enter the radius : ");

int rad = Convert.ToInt32(Console.ReadLine());

double area = Math.PI \* rad \* rad;

Console.WriteLine("Area of Circle is " + area);

}

else if (choice == "3")

{

Console.Write("Enter the Lenght of Square : ");

int lenght = Convert.ToInt32(Console.ReadLine());

double area = lenght \* lenght;

Console.WriteLine("Area of Square is " + area);

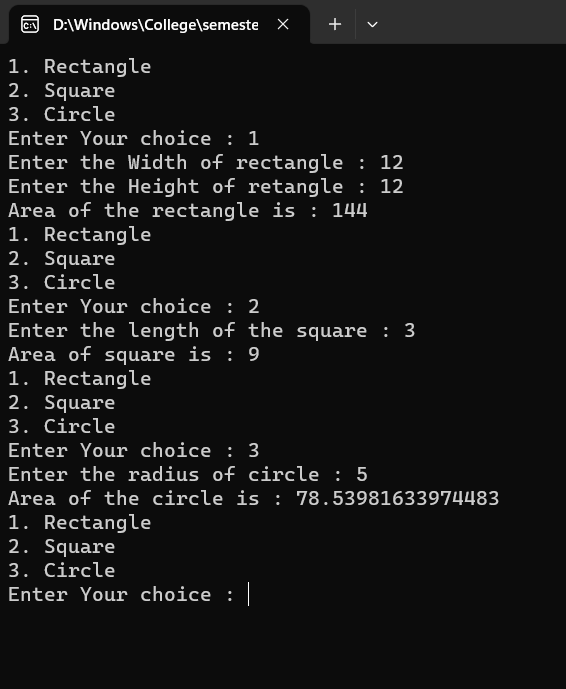
}

}

}

}

}



**3. Excption handling**

using System;

namespace UserDefinedException

{

class TestTemperature

{

static void Main(string[] args)

{

Temperature temp = new Temperature();

try

{

temp.showTemp();

}

catch (TempIsZeroException e)

{

Console.WriteLine("TempIsZeroException: {0}", e.Message);

}

Console.ReadKey();

}

}

}

public class TempIsZeroException : Exception

{

public TempIsZeroException(string message)

: base(message)

{

}

}

public class Temperature

{

int temperature = 0;

public void showTemp()

{

if (temperature == 0)

{

throw (new TempIsZeroException("Zero Temperature found"));

}

else

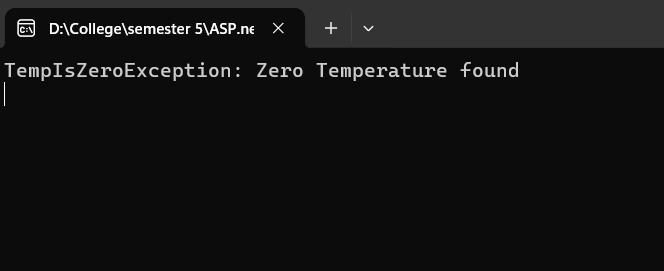
{

Console.WriteLine("Temperature: {0}", temperature);

}

}

}



**10. Login form**

namespace Login\_Form

{

public partial class Form1 : Form

{

const string USERNAME = "John";

const string PASSWORD = "John@Ria";

public Form1()

{

InitializeComponent();

}

private void Form1\_Load(object sender, EventArgs e)

{

resultLbl.Text = string.Empty;

}

private void button1\_Click(object sender, EventArgs e)

{

if (uname.Text == USERNAME && pword.Text == PASSWORD)

{

resultLbl.Text = "✅ Username and password is correct";

}

else

{

resultLbl.Text = "❌ Username/Password is in correct";

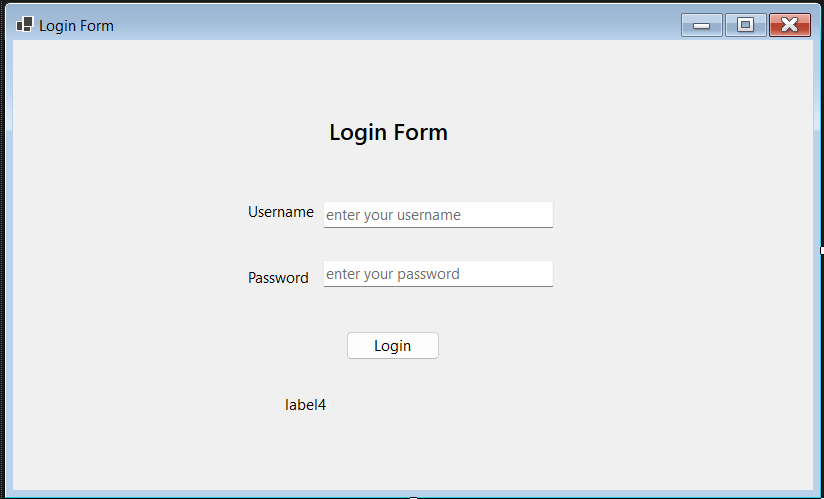
}

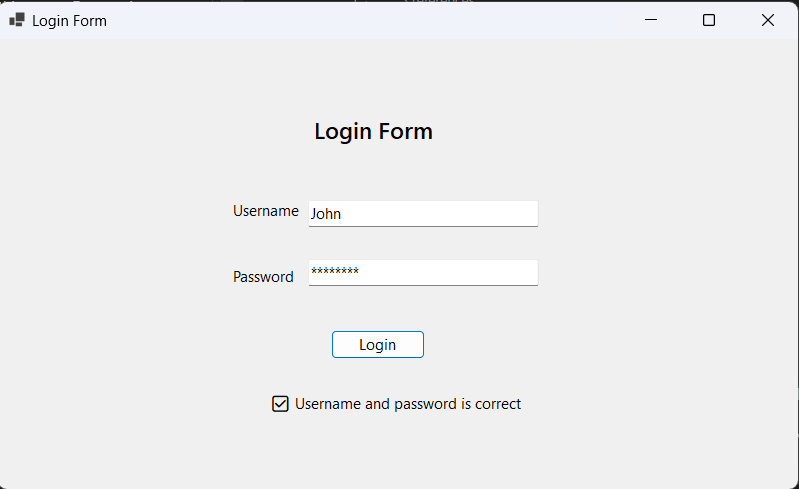
}

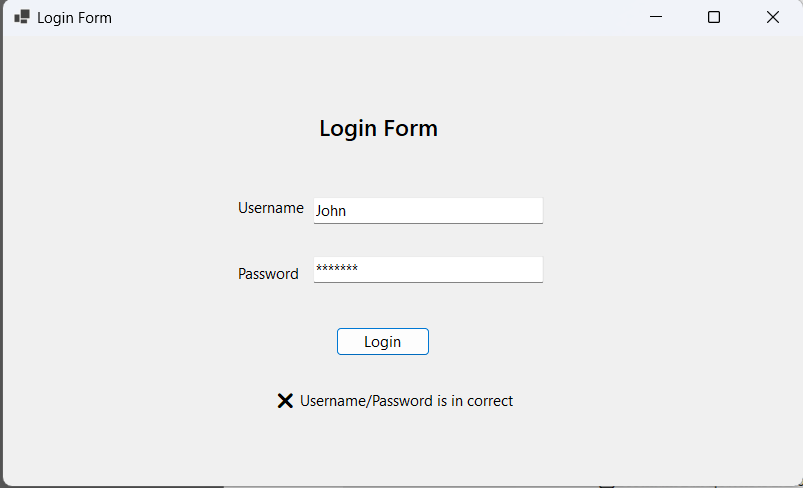
}

}

Design:

****

****

****

**5.Menu using Text Editor**

namespace TextEditor

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void newToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Text = string.Empty;

}

private void saveToolStripMenuItem\_Click(object sender, EventArgs e)

{

if (saveFileDialog1.ShowDialog() == DialogResult.OK)

{

richTextBox1.SaveFile(saveFileDialog1.FileName.ToString(), RichTextBoxStreamType.PlainText);

}

}

private void copyToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Copy();

}

private void cutToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Cut();

}

private void pasteToolStripMenuItem\_Click(object sender, EventArgs e)

{

richTextBox1.Paste();

}

private void exitToolStripMenuItem\_Click(object sender, EventArgs e)

{

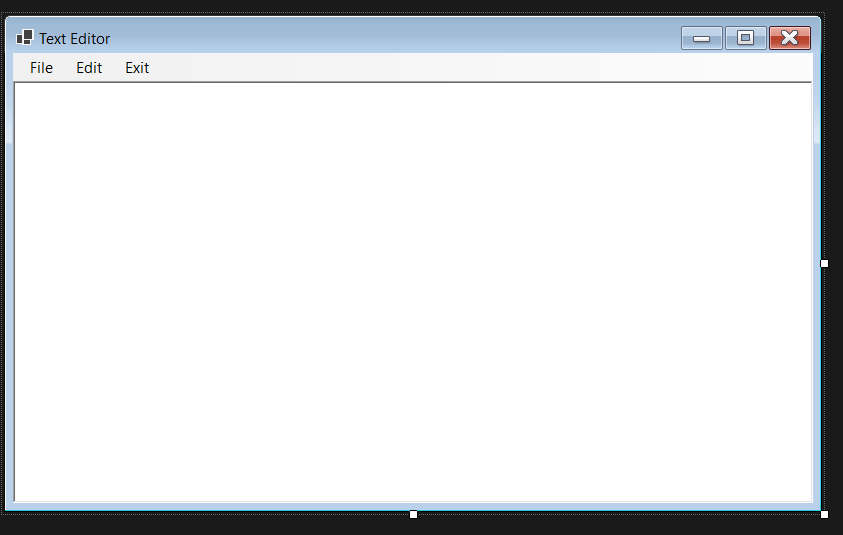
this.Close();

}

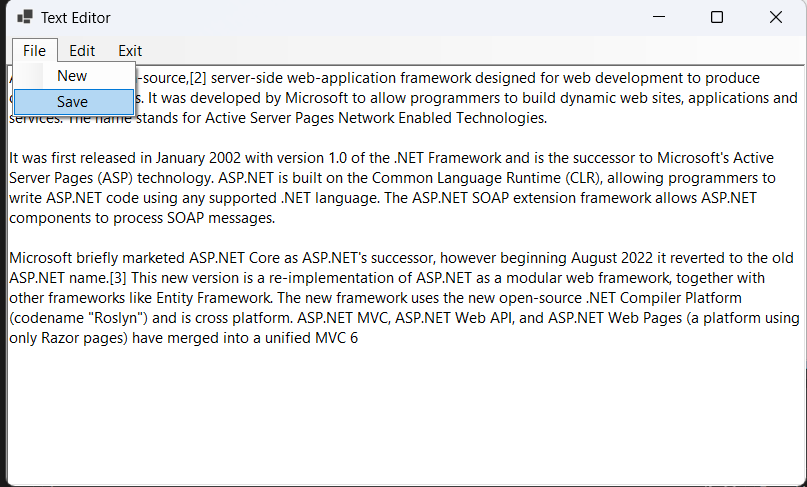
}

}

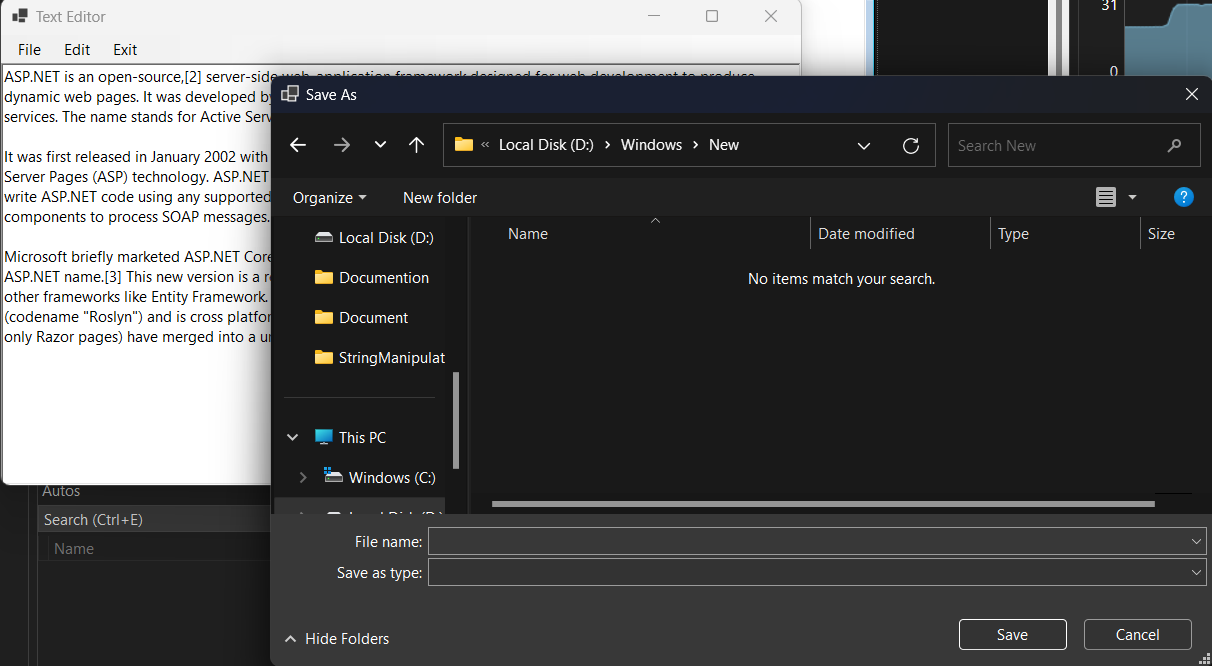
Design:

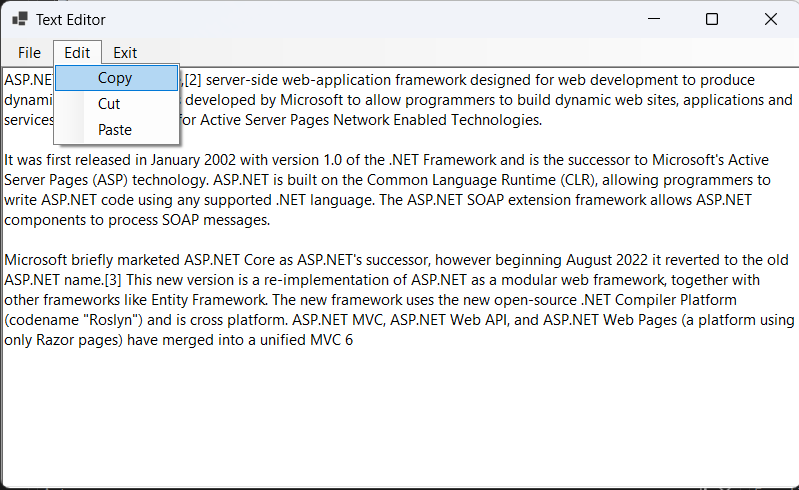
****

**Output:**

****

**Save output:**

****

****

**6. Registration form**

namespace Registration\_Form

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void textBox2\_TextChanged(object sender, EventArgs e)

{

}

private void Form1\_Load(object sender, EventArgs e)

{

resultLbl.Text = string.Empty;

}

private void button1\_Click(object sender, EventArgs e)

{

if (uname.Text != "" && pword.Text != "" && cnfPword.Text != "")

{

resultLbl.Text = "Registration success";

}

else if(uname.Text != pword.Text){

resultLbl.Text = "Password doesn't Match";

}

else

{

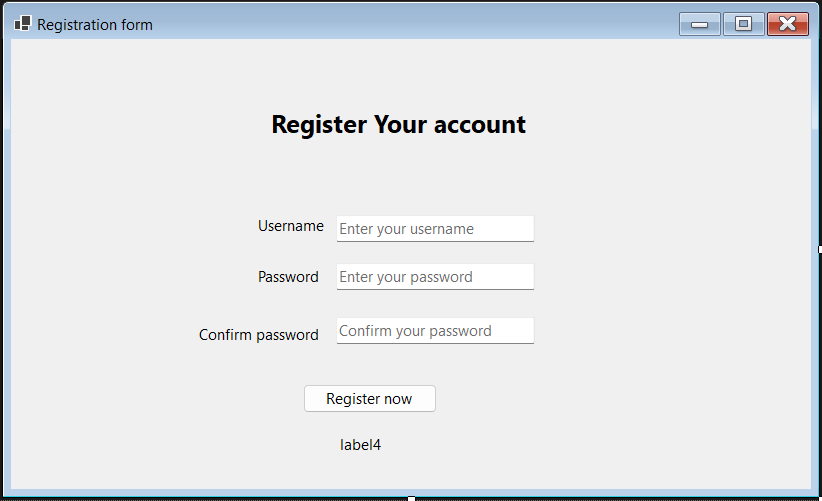
resultLbl.Text = "Please fill all fields";

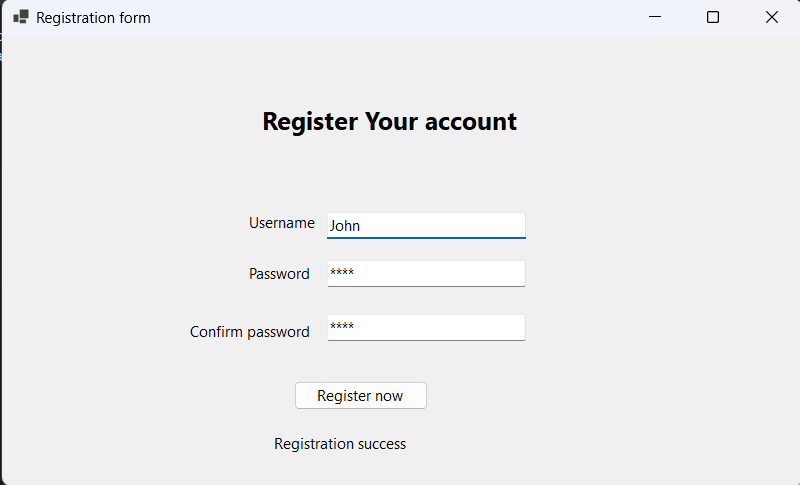
} }

}

}

Design





**7. Swapping**

using System;

class Program

{

static void Swap(ref int a, ref int b)

{

int temp = a;

a = b;

b = temp;

}

static void Main()

{

Console.Write("Enter the number a : ");

int num1 = Convert.ToInt32(Console.ReadLine());

Console.Write("Enter the number b : ");

int num2 = Convert.ToInt32(Console.ReadLine());

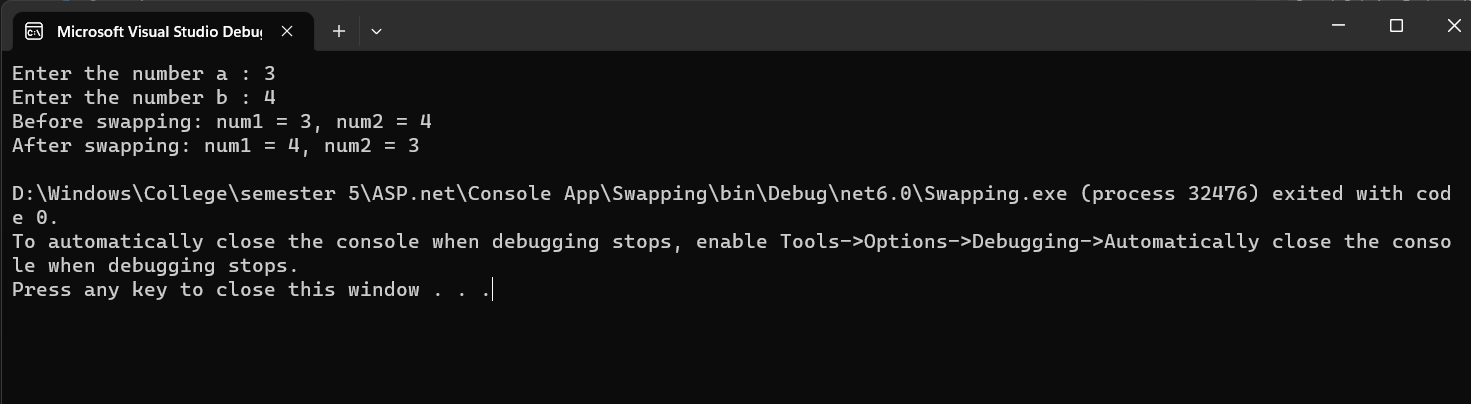
Console.WriteLine($"Before swapping: num1 = {num1}, num2 = {num2}");

Swap(ref num1, ref num2);

Console.WriteLine($"After swapping: num1 = {num1}, num2 = {num2}");

}

}



**8. Convert of Celsius to farenheit & farenheit to Celsius**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace TemperatureConverter

{

class Program

{

static void Main(string[] args)

{

while (true)

{

Console.WriteLine("1. Farenheit to celsius\n2. Celsius to farenheit");

Console.Write("Enter your choice : ");

int choice = Convert.ToInt32(Console.ReadLine());

if (choice == 1)

{

Console.Write("Enter temperature in Farenheit : ");

int faren = Convert.ToInt32(Console.ReadLine());

int cel = (faren - 32) \* 5 / 9;

Console.WriteLine("Celsius : " + cel);

}

else if (choice == 2)

{

Console.Write("Enter the temperature in Celsius : ");

int cel = Convert.ToInt32(Console.ReadLine());

int faren = cel \* 9 / 5 + 32;

Console.WriteLine(" Farenheit : " + faren);

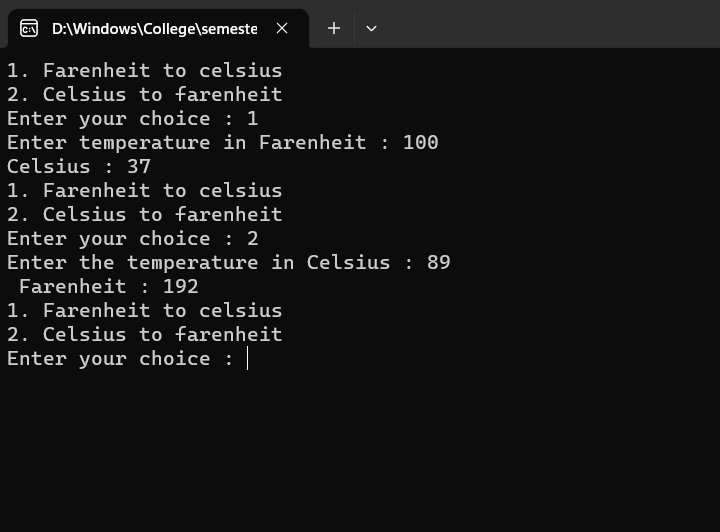
}

}

}

}

}



**9. Convert case and calender**

namespace CalenderMonth

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void dateTimePicker1\_ValueChanged(object sender, EventArgs e)

{

dayLbl.Text = dateTimePicker1.Value.Date.ToString();

monthLbl.Text = dateTimePicker1.Value.Month.ToString();

yearLbl.Text = dateTimePicker1.Value.Year.ToString();

}

private void button1\_Click(object sender, EventArgs e)

{

if (lowerRad.Checked)

{

resultLbl.Text = caseTxt.Text.ToLower();

}

else if (upperRad.Checked)

{

resultLbl.Text = caseTxt.Text.ToUpper();

}

else

{

MessageBox.Show("Please Select Any of the options");

}

}

private void Form1\_Load(object sender, EventArgs e)

{

dayLbl.Text = string.Empty;

monthLbl.Text = string.Empty;

yearLbl.Text = string.Empty;

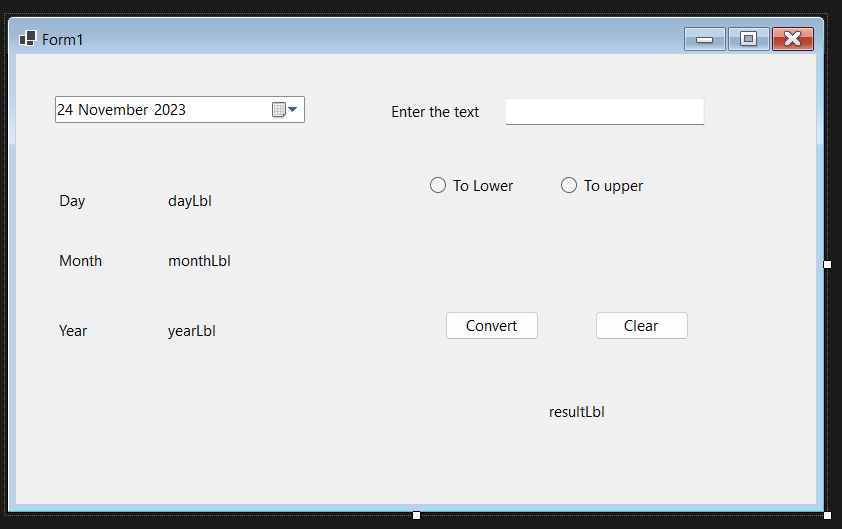
resultLbl.Text = string.Empty;

}

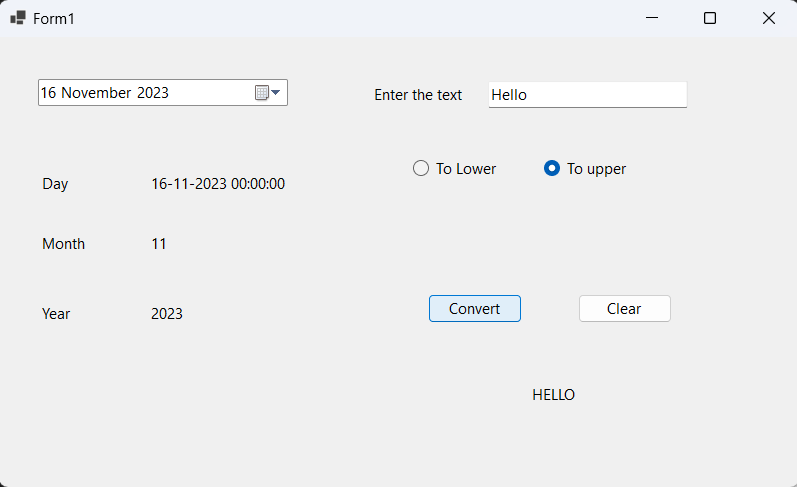
}

}

Desing:

****

**Output:**

****

**10. Quiz Program**

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;

namespace quizGame

{

public partial class Form1 : Form

{

int correctAnswer;

int questionNumber = 1;

int score;

int percentage;

int totalQuestions;

int timerSec = 0;

int MAX\_TIME = 60;

public Form1()

{

InitializeComponent();

askQuestion(questionNumber);

totalQuestions = 5;

}

private void ClickAnswerEvent(object sender, EventArgs e)

{

var senderObject = (Button)sender;

timerSec = 0;

int buttonTag = Convert.ToInt32(senderObject.Tag);

if (buttonTag == correctAnswer)

{

score++;

}

question();

}

private void question()

{

if (questionNumber == totalQuestions)

{

percentage = (int)Math.Round((double)(100 \* score) / totalQuestions);

MessageBox.Show("Quiz Ended" + Environment.NewLine +

"Your total percentage is " + percentage + " %" + Environment.NewLine +

"Click Ok to play again"

);

score = 0;

questionNumber = 0;

askQuestion(questionNumber);

}

questionNumber++;

askQuestion(questionNumber);

}

private void askQuestion(int qnum)

{

switch(qnum)

{

case 1:

lblQuestion.Text = "What is the capital of France?";

button1.Text = "London";

button2.Text = "Berlin";

button3.Text = "Paris";

button4.Text = "Madrid";

correctAnswer = 3;

break;

case 2:

lblQuestion.Text = "Which planet is known as the \"Red Planet\"?";

button1.Text = "Venus";

button2.Text = "Earth";

button3.Text = "Mars";

button4.Text = "Jupiter";

correctAnswer = 3;

break;

case 3:

lblQuestion.Text = "What is the chemical symbol for gold?";

button1.Text = "Go";

button2.Text = "Ge";

button3.Text = "Au";

button4.Text = "Ae";

correctAnswer = 3;

break;

case 4:

lblQuestion.Text = "Which is the captial city of USA?";

button1.Text = "Birmingham";

button2.Text = "London";

button3.Text = "New york";

button4.Text = "Washington D.C";

correctAnswer = 4;

break;

case 5:

lblQuestion.Text = "Who is the author of \"To Kill a Mockingbird\"?";

button1.Text = "J.K. Rowling";

button2.Text = "George Orwell";

button3.Text = "Harper Lee";

button4.Text = "Charles Dickens";

correctAnswer = 3;

break;

}

}

private void timer1\_Tick(object sender, EventArgs e)

{

if(timerSec <= MAX\_TIME)

{

timerSec++;

}

else

{

timerSec = 0;

question();

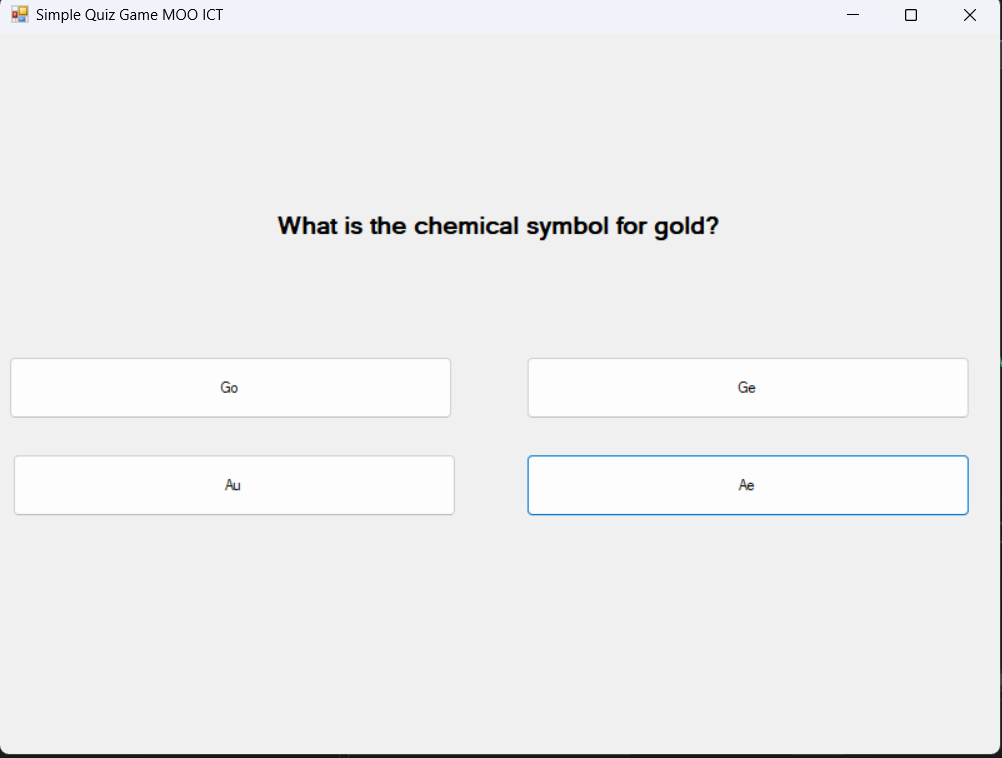
}

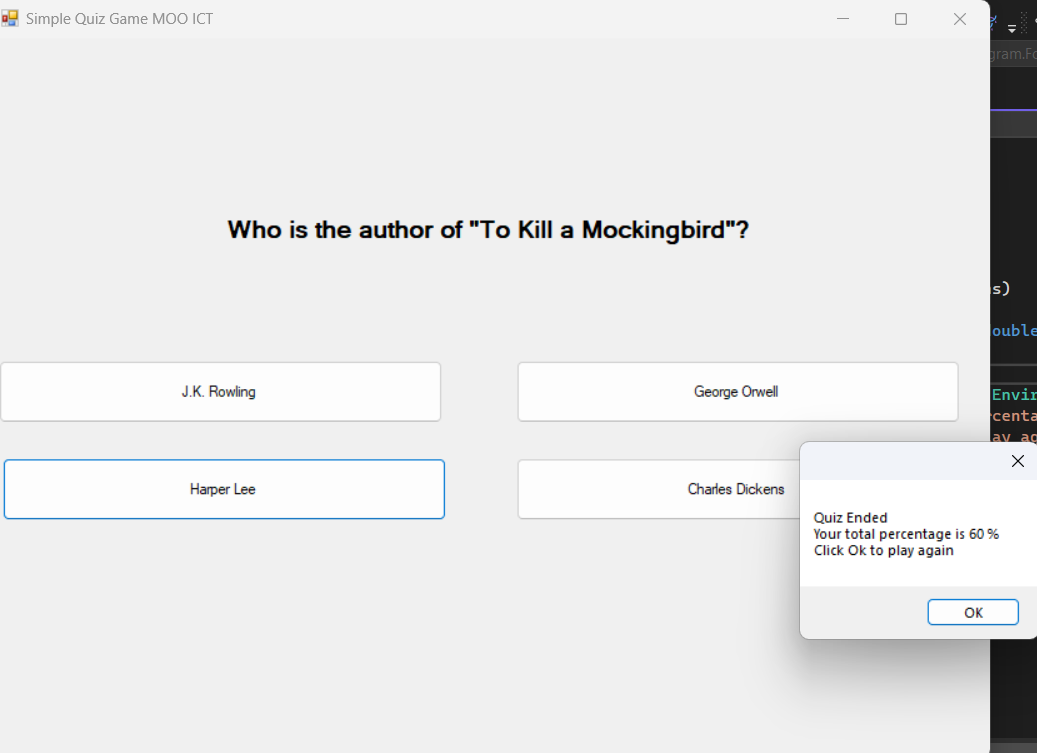
}

}

}

**Output:**





**11. Bank customer details**

**Design:**

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

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<h3> Bank Customer Request</h3>

<div>

<table cellpadding="10" cellspacing="10" style="border: 1px solid #ddd;">

<tr>

<td> Customer Name </td>

<td>

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

</td>

</tr>

<tr>

<td>

Current State

</td>

<td>

<asp:DropDownList Width="170px" ID="ddlstate" runat="server">

<asp:ListItem>--Select State--</asp:ListItem>

<asp:ListItem>TamilNadu</asp:ListItem>

<asp:ListItem>Andra Pradesh</asp:ListItem>

<asp:ListItem>Karnataka</asp:ListItem>

<asp:ListItem>Kerala</asp:ListItem>

</asp:DropDownList>

</td>

</tr>

<tr>

<td>

Current City

</td>

<td>

<asp:DropDownList Width="170px" ID="ddlcity" runat="server">

<asp:ListItem>--Select City--</asp:ListItem>

<asp:ListItem>Chennai</asp:ListItem>

<asp:ListItem>Bangalore</asp:ListItem>

<asp:ListItem>Madurai</asp:ListItem>

<asp:ListItem>Hyderabad</asp:ListItem>

<asp:ListItem>Delhi</asp:ListItem>

<asp:ListItem>Mumbai</asp:ListItem>

</asp:DropDownList>

</td>

</tr>

<tr>

<td>

Email

</td>

<td>

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

</td>

</tr>

<tr>

<td>

Mobile No.

</td>

<td>

<asp:TextBox ID="txtMob" runat="server" MaxLength="10"></asp:TextBox>

</td>

</tr>

<tr>

<td>

Aadhaar No.

</td>

<td>

<asp:TextBox ID="txtaadhaar" MaxLength="12" AutoPostBack="true" runat="server"></asp:TextBox>

</td>

</tr>

<tr>

<td align="right" colspan="2">

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

<asp:Button ID="btnverify" runat="server" Text="Verify Aadhaar" OnClick="btnverify\_Click" />

</td>

</tr>

<tr>

<td>

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

</td>

<td>

<asp:Button ID="btnsubmit" runat="server" Text="Submit" OnClick="btnsubmit\_Click" />

</td>

</tr>

</table>

<br />

<asp:GridView ID="GrdCustomer" runat="server" DataSourceID="SqlDataSource1" AutoGenerateColumns="False" DataKeyNames="id">

<Columns>

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

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

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

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

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

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

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

</Columns>

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:BankCustomerConnectionString3 %>" SelectCommand="SELECT \* FROM [data]" EnableCaching="false" ></asp:SqlDataSource>

</div>

</form>

</body>

</html>

**Code behind:**

using System;

using System.Data.SqlClient;

public partial class index : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

btnsubmit.Visible = false;

}

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

{

string connectionString = "Data Source=CYBERIANMAL;Initial Catalog=BankCustomer;Integrated Security=True";

using (SqlConnection connection = new SqlConnection(connectionString))

{

try

{

connection.Open();

string insertQuery = "INSERT INTO data (CustomerName, State, City, Email, Mobile, Aadhar) " +

"VALUES (@CustomerName, @State, @City, @Email, @Mobile, @Aadhar);";

using (SqlCommand insertCommand = new SqlCommand(insertQuery, connection))

{

insertCommand.Parameters.AddWithValue("@CustomerName", txtname.Text);

insertCommand.Parameters.AddWithValue("@State", ddlstate.SelectedValue);

insertCommand.Parameters.AddWithValue("@City", ddlcity.SelectedValue);

insertCommand.Parameters.AddWithValue("@Email", txtmail.Text);

insertCommand.Parameters.AddWithValue("@Mobile", txtMob.Text);

insertCommand.Parameters.AddWithValue("@Aadhar", txtaadhaar.Text);

int rowsAffected = insertCommand.ExecuteNonQuery();

GrdCustomer.DataBind();

}

}

catch (Exception ex)

{

Response.Write("Error: " + ex.Message);

}

}

}

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

{

txtname.Text = "";

txtMob.Text = "";

txtmail.Text = "";

txtaadhaar.Text = "";

ddlstate.SelectedIndex = 0;

ddlcity.SelectedIndex = 0;

}

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

{

btnsubmit.Visible = true;

if (txtaadhaar.Text.Length == 12)

{

lblaadhar.Text = "Aadhar verifed";

}

else

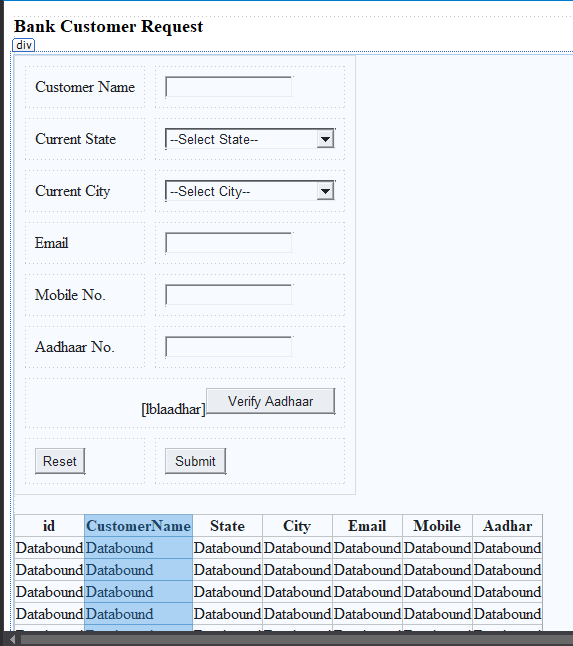
{

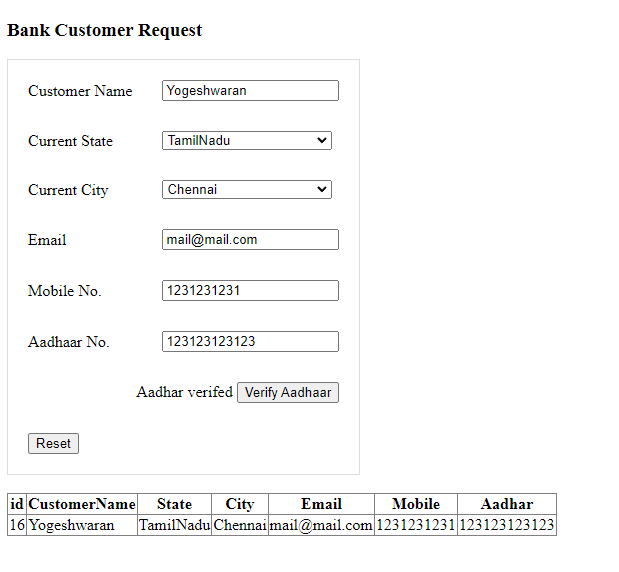
lblaadhar.Text = "Please enter a valid aadhar number";

}

}

}





**12. Advanced control**

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

<!DOCTYPE html>

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

<head runat="server">

<script src="https://code.jquery.com/jquery-3.6.4.min.js" integrity="sha256-oP6HI/tZ1XaAeBhRq5fY5ytcRq2KlMpK1P1f+TGI9dA=" crossorigin="anonymous"></script>

<title></title>

</head>

<body>

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

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="id" DataSourceID="SqlDataSource1">

<Columns>

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

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

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

</Columns>

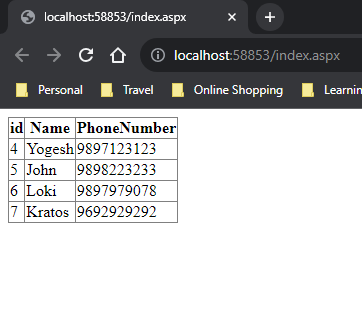
</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" ProviderName="<%$ ConnectionStrings:ConnectionString.ProviderName %>" SelectCommand="SELECT \* FROM [SampleDatabase]"></asp:SqlDataSource>

</form>

</body>

</html>



**13. Validation control**

<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="\_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

<table class="nav-justified">

<tr>

<td style="width: 249px; height: 22px">

<asp:Label ID="Label1" runat="server" Text="First Name"></asp:Label>

</td>

<td style="width: 318px; height: 22px">

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

</td>

<td style="height: 22px">

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="txtName" ErrorMessage="This Field is required" ForeColor="Red"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td style="width: 249px; height: 22px">

<asp:Label ID="Label2" runat="server" Text="Last Name"></asp:Label>

</td>

<td style="width: 318px; height: 22px">

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

</td>

<td style="height: 22px">

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="txtLname" ErrorMessage="This field is required" ForeColor="Red"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td style="width: 249px; height: 22px">

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

</td>

<td style="width: 318px; height: 22px">

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

</td>

<td style="height: 22px">

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server" ControlToValidate="txtEmail" ErrorMessage="This field is required" ForeColor="Red"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td style="width: 249px; height: 22px">

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

</td>

<td style="width: 318px; height: 22px">

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

</td>

<td style="height: 22px">

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server" ControlToValidate="txtPaword" ErrorMessage="This field is required" ForeColor="Red"></asp:RequiredFieldValidator>

</td>

</tr>

<tr>

<td style="width: 249px; height: 22px">

<asp:Label ID="Label5" runat="server" Text="Confirm Password"></asp:Label>

</td>

<td style="width: 318px; height: 22px">

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

</td>

<td style="height: 22px">

<asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" ControlToValidate="txtCnfPword" ErrorMessage="This field is required" ForeColor="Red"></asp:RequiredFieldValidator>

<asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="txtPaword" ControlToValidate="txtCnfPword" ErrorMessage="Password doesn't match" ForeColor="Red"></asp:CompareValidator>

</td>

</tr>

<tr>

<td style="width: 249px">Age</td>

<td style="width: 318px">

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

</td>

<td>

<asp:RequiredFieldValidator ID="RequiredFieldValidator6" runat="server" ControlToValidate="txtAge" ErrorMessage="This field is required" ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="txtAge" ErrorMessage="Age must between 1- 100" ForeColor="Red" MaximumValue="100" MinimumValue="1" Type="Integer"></asp:RangeValidator>

</td>

</tr>

<tr>

<td style="width: 249px">&nbsp;</td>

<td style="width: 318px">

<asp:Button ID="Button1" runat="server" Text="Register Now" />

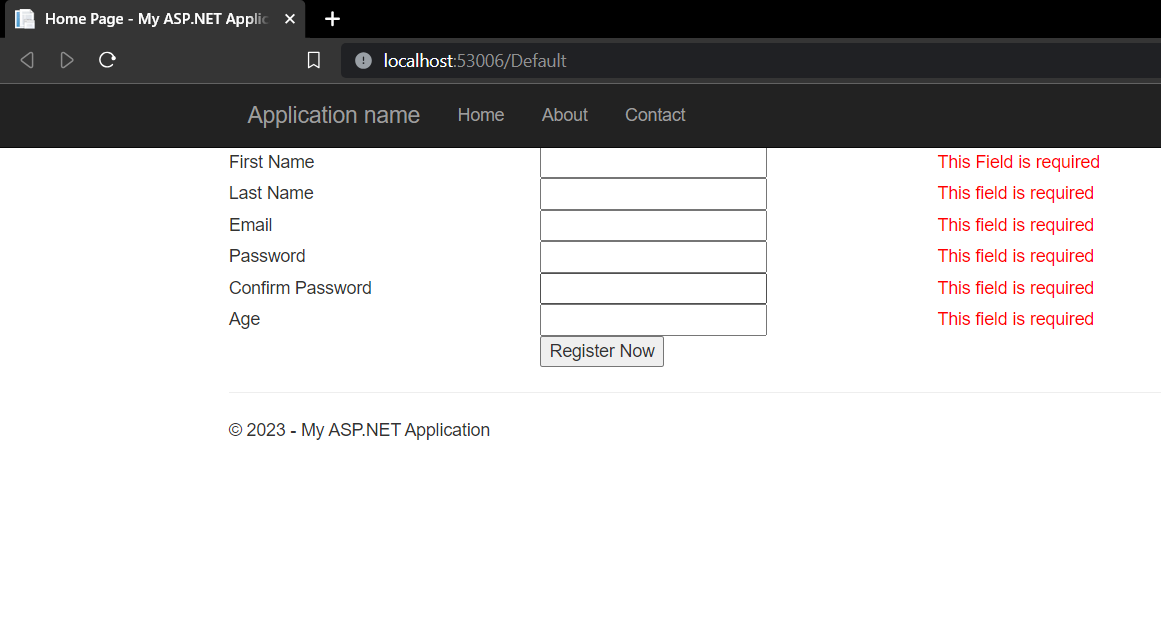
</td>

<td>&nbsp;</td>

</tr>

</table>

</asp:Content>

****

**14. Student detail displayer**

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 System.Data.SqlClient;

using System.Xml.Linq;

namespace QuizProgram

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

int tamil = (int)tamilText.Value;

int english = (int)englishText.Value;

int maths = (int)mathsText.Value;

int evs = (int)evsText.Value;

int asp = (int)aspText.Value;

int tot = tamil + english + maths + evs + asp;

int avg = tot / 5;

totalLbl.Text = "Total mark is " + tot + " average mark is " + avg;

using (SqlConnection sqlCon = new SqlConnection(@"Data Source=SKYSCRAPPER;Initial Catalog=StudentDetails;Integrated Security=True"))

{

sqlCon.Open();

string insertQuery = "INSERT INTO details VALUES (@regNo, @name, @dob, @gender, @department, @address,@tamil, @english, @maths, @evs, @asp)";

using (SqlCommand cmd = new SqlCommand(insertQuery, sqlCon))

{

string date = dob.Value.Day + "/" + dob.Value.Month + "/" + dob.Value.Year;

cmd.Parameters.AddWithValue("@regNo", regNo.Text);

cmd.Parameters.AddWithValue("@name", nameText.Text);

cmd.Parameters.AddWithValue("@dob", date);

cmd.Parameters.AddWithValue("@gender", gender.SelectedItem);

cmd.Parameters.AddWithValue("@department", deptText.Text);

cmd.Parameters.AddWithValue("@address", addressText.Text);

cmd.Parameters.AddWithValue("@tamil", tamilText.Value);

cmd.Parameters.AddWithValue("@english", englishText.Value);

cmd.Parameters.AddWithValue("@maths", mathsText.Value);`

cmd.Parameters.AddWithValue("@evs", evsText.Value);

cmd.Parameters.AddWithValue("@asp", aspText.Value);

cmd.ExecuteNonQuery();

}

getDataFromDatabase();

}

}

private void button2\_Click(object sender, EventArgs e)

{

nameText.Clear();

regNo.Clear();

deptText.Clear();

addressText.Clear();

tamilText.Value = 0;

englishText.Value = 0;

mathsText.Value = 0;

evsText.Value = 0;

aspText.Value = 0;

totalLbl.Text = "";

}

private void Form1\_Load(object sender, EventArgs e)

{

gender.Items.Add("Male");

gender.Items.Add("Female");

gender.Text = "Select Gender";

totalLbl.Text = "";

getDataFromDatabase();

}

private void getDataFromDatabase()

{

using (SqlConnection sqlCon = new SqlConnection(@"Data Source=SKYSCRAPPER;Initial Catalog=StudentDetails;Integrated Security=True"))

{

sqlCon.Open();

SqlDataAdapter dataAdapter = new SqlDataAdapter("SELECT \* FROM details", sqlCon);

DataTable dtbl = new DataTable();

dataAdapter.Fill(dtbl);

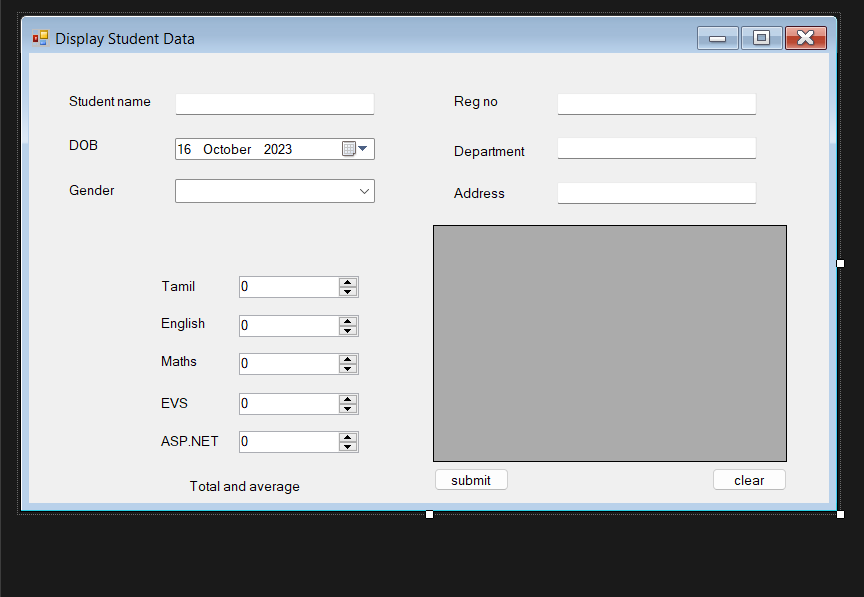
dataGridView1.DataSource = dtbl;

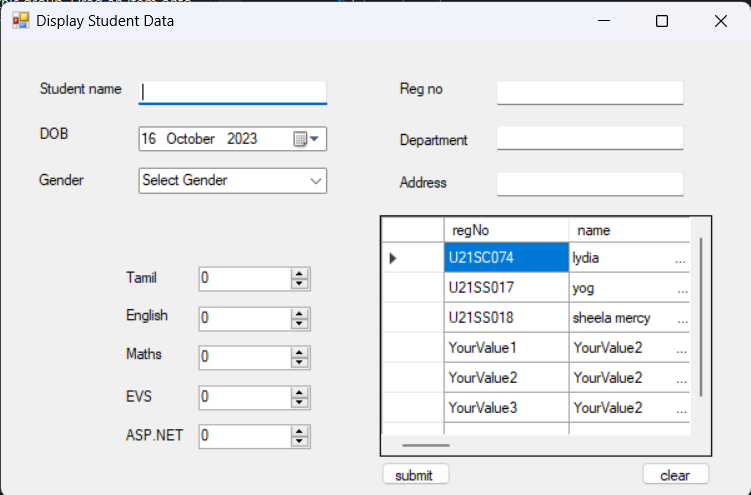
}

}

}

}



****

**15. Display database**

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

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<h1>Sample Data connection</h1>

<asp:GridView ID="GrdLibrary" runat="server" AutoGenerateColumns="False" DataKeyNames="id" DataSourceID="SqlDataSource2" >

<Columns>

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

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

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

</Columns>

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:DatabaseControlConnectionString %>" SelectCommand="SELECT \* FROM [SampleDatabase]"></asp:SqlDataSource>

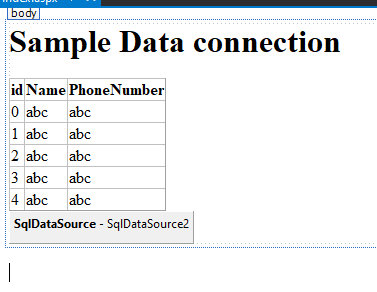
</div>

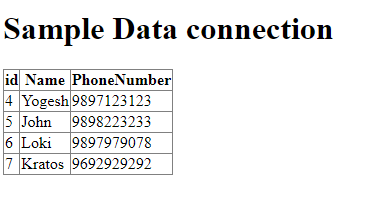
</form>

</body>

</html>

Design:





**16. Report Control**

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

<!DOCTYPE html>

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

<head runat="server">

<title></title>

<style type="text/css">

.auto-style1 {

width: 91px;

}

</style>

</head>

<body>

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

<h3> Bank Customer Request</h3>

<div>

<table cellpadding="10" cellspacing="10" style="border: 1px solid #ddd;">

<tr>

<td class="auto-style1"> &nbsp;Name </td>

<td>

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

</td>

</tr>

<tr>

<td class="auto-style1">

Email

</td>

<td>

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

</td>

</tr>

<tr>

<td class="auto-style1">

Mobile No.

</td>

<td>

<asp:TextBox ID="txtMob" runat="server" MaxLength="10"></asp:TextBox>

</td>

</tr>

<tr>

<td class="auto-style1">

&nbsp;</td>

<td>

<asp:Button ID="btnsubmit" runat="server" Text="Submit" OnClick="btnsubmit\_Click" />

</td>

</tr>

</table>

<br />

<asp:GridView ID="GrdCustomer" runat="server" DataSourceID="SqlDataSource1" AutoGenerateColumns="False" DataKeyNames="id">

<Columns>

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

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

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

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

</Columns>

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" ProviderName="<%$ ConnectionStrings:ConnectionString.ProviderName %>" SelectCommand="SELECT \* FROM [data]"></asp:SqlDataSource>

</div>

</form>

</body>

</html>

code behind

using System;

using System.Data.SqlClient;

public partial class index : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

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

{

string connectionString = "Data Source=CYBERIANMAL;Integrated Security=SSPI;Initial Catalog=StudentDetail";

using (SqlConnection connection = new SqlConnection(connectionString))

{

try

{

connection.Open();

string insertQuery = "INSERT INTO data (name, email, mobile) " +

"VALUES (@name, @email, @mobile);";

using (SqlCommand insertCommand = new SqlCommand(insertQuery, connection))

{

insertCommand.Parameters.AddWithValue("@name", txtname.Text);

insertCommand.Parameters.AddWithValue("@email", txtmail.Text);

insertCommand.Parameters.AddWithValue("@mobile", txtMob.Text);

int rowsAffected = insertCommand.ExecuteNonQuery();

GrdCustomer.DataBind();

}

}

catch (Exception ex)

{

Response.Write("Error: " + ex.Message);

}

}

}

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

{

txtname.Text = "";

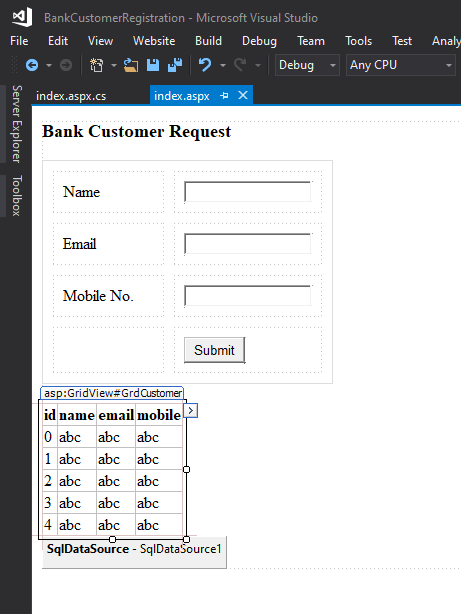
txtMob.Text = "";

txtmail.Text = "";

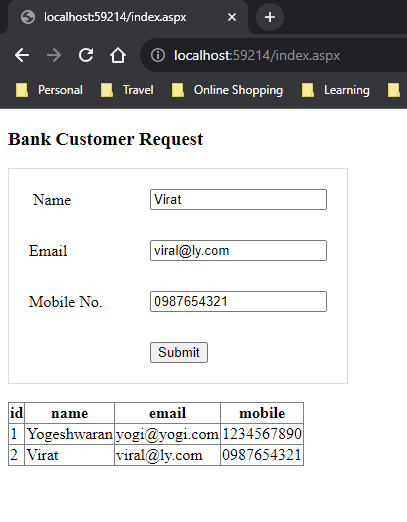
}

}

Design



output



**17. Bio data**

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

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<title>Bio-Data</title>

<marquee bgcolor="blue"><h1> Johnson Bio-Data</h1></marquee>

<center><table border="10" color="BLUE">

<tbody><tr>

<th colspan="2">Name

</th><td colspan="2">Johnson

</td></tr>

<tr>

<th colspan="2">Date Of Birth

</th><td colspan="2">05-01-1995

</td></tr>

<tr>

<th colspan="2">Community

</th><td colspan="2">OC

</td></tr>

<tr>

<th colspan="2">Religion

</th><td colspan="2">Christian

</td></tr>

<tr>

<th colspan="2">Nationality

</th><td colspan="2">INDIAN

</td></tr>

<tr>

<th rowspan="3" colspan="2">Address

</th><th>Street

</th><td>SELAIYUR

</td></tr>

<tr>

<th>Town

</th><td>DINDUGAL

</td></tr>

<tr>

<th>District

</th><td>MADURAI

</td></tr>

<tr>

<th rowspan="2" colspan="2">Phone

</th><th>Office

</th><td>04371245341

</td></tr>

<tr>

<th>Mobile

</th><td>9843809012

</td></tr>

<tr>

<th colspan="5">Educational Qualification

</th></tr>

<tr>

<th>Degree

</th><th>University/Institute

</th><th>Month&Year

</th><th>Grade

</th></tr>

<tr>

<td>BSC

</td><td>Bharath University

</td><td>MAY 2017

</td><td>A+

</td></tr>

</tbody></table>

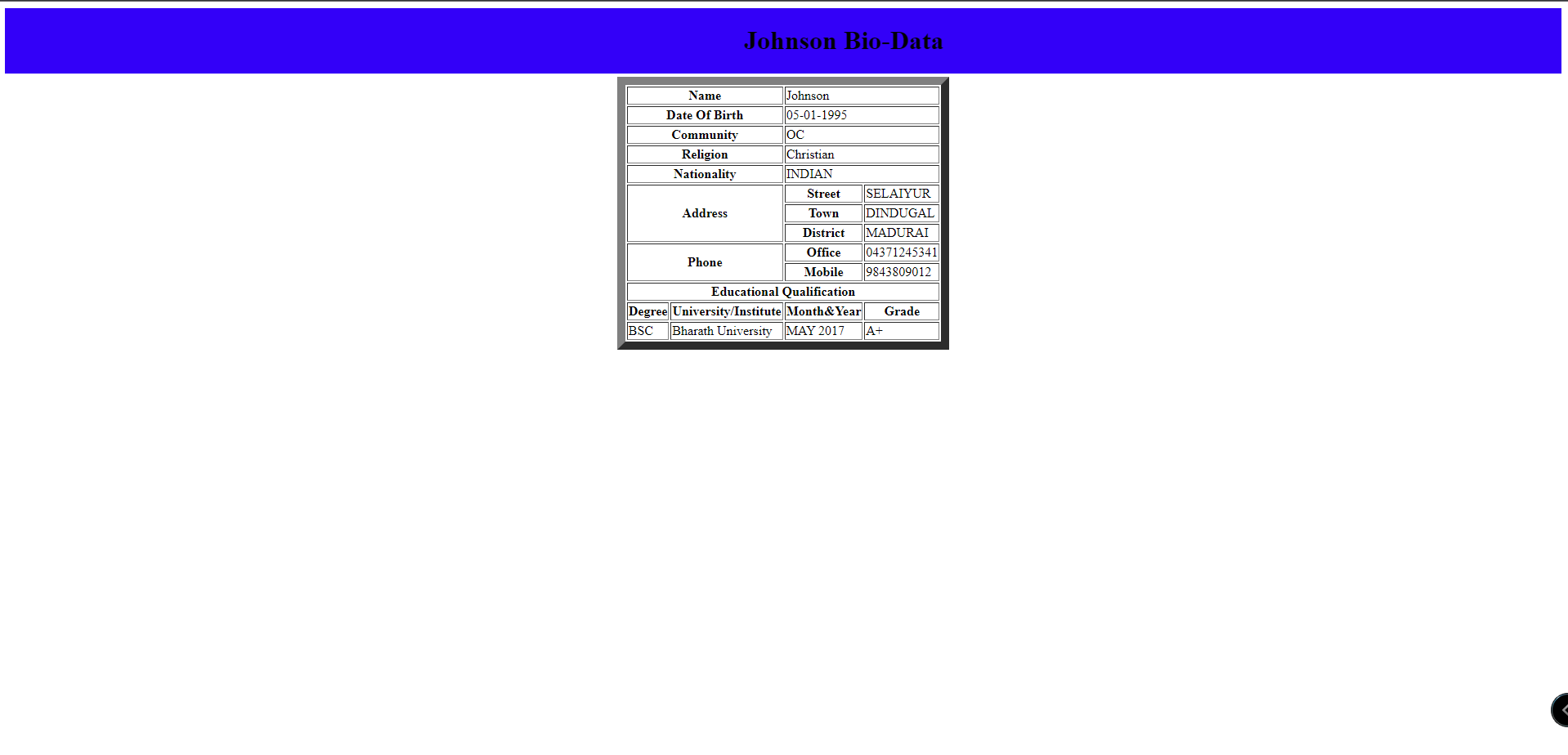
</center>

</div>

</form>

</body>

</html>



18. Master page creation

Site.master

<%@ Master Language="C#" AutoEventWireup="true" CodeFile="MasterPage.master.cs" Inherits="MasterPage" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title></title>

<asp:ContentPlaceHolder id="head" runat="server">

</asp:ContentPlaceHolder>

</head>

<body>

<header id="header">

<h1>c# corner</h1>

</header>

<nav id="nav">

<ul>

<li><a href="home.aspx">Home</a></li>

<li><a href="#">About</a></li>

<li><a href="#">Article</a></li>

<li><a href="#">Contact</a></li>

</ul>

</nav>

<aside id="side">

<h1>news</h1>

<a href="#"><p>creating HTML website</p></a>

<a href="#"><p>learn CSS</p></a>

<a href="#">learn C#</a>

</aside>

<p id="con">

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

</p>

<footer id="footer">

copyright @ai

</footer>

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

</form>

</body>

</html>

Default.aspx

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

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

</asp:Content>

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

Hello this is content

</asp:Content>