Name:- Ariwala Premal

enrollment number:- 24002401110003

division:-A

roll.no:-1

Dot Net Practical Assignment

1) Create a web form for the following: Take two radio button. One for Gender and second for Hobbies. Take a button. On button click check whether both the radio button is selected or not. If not selected display the message "Please select Gender and Hobbies". If selected – show the selected options from Gender and Hobbies.

File:-WebApplication1

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication1.WebForm1" %>

<!DOCTYPE html>

<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="RadioButton1" runat="server" GroupName="gender"
Text="male"/>
            <asp:RadioButton ID="RadioButton2" runat="server" GroupName="gender"
Text="female"/>
            <br />

            <asp:Label ID="Label2" runat="server" Text="hobby: "></asp:Label>
            <asp:RadioButton ID="RadioButton3" runat="server" GroupName="hobby"
Text="reading"/>
            <asp:RadioButton ID="RadioButton4" runat="server" GroupName="hobby"
Text="travel"/>
            <br />
            <asp:Button ID="Button1" runat="server" Text="Button"
OnClick="Button1_Click" /><br />
            <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>
        </div>
    </form>
</body>
</html>
```

```
using System;
using System.Collections.Generic;
using System.Linq;
```

```csharp
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            if ((!RadioButton1.Checked && !RadioButton2.Checked) ||
                    (!RadioButton3.Checked && !RadioButton4.Checked))
            {
                Label3.Text = "select a gender & hobby";
                Label1.Text = "";
            }
            else
            {
                string selected = "select gender: " + (RadioButton1.Checked ? "male"
: "female") + ",hobby: " + (RadioButton3.Checked ? "rading" : "travel");
                Label3.Text = "";
                Label1.Text= selected;
            }

        }
    }
}
```

----

2) Create an application to take the following from the user: RollNo, Name, Subject1_marks,
Subject2_marks, Subject3_marks, Subject4_marks, Subject5_marks. Take a button named
"Calculate". On clicking calculate the total, percentage, and Pass/Fail. Add the validators.

File:-WebApplication2

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication2.WebForm1" %>

<!DOCTYPE html>

<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="ROLL.NO: "></asp:Label>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
```

```
<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
    ControlToValidate="TextBox1" ErrorMessage="roll no required"
    ForeColor="Red"  Display="Dynamic"></asp:RequiredFieldValidator>
<br /><br />

<asp:Label ID="Label2" runat="server" Text="Name: "></asp:Label>
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br />

<asp:Label ID="Label3" runat="server" Text="sub_1: "></asp:Label>
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
<asp:RangeValidator ID="RangeValidator1" runat="server"
    ControlToValidate="TextBox3"
    MaximummValue="35" Type="Integer"
    ErrorMessage="must be 35  pass "
    ForeColor="red"
    ></asp:RangeValidator>
<br />

<asp:Label ID="Label4" runat="server" Text="sub_2:"></asp:Label>
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
<asp:RangeValidator ID="RangeValidator2" runat="server"
    ControlToValidate="TextBox1"
    MaximummValue="35" Type="Integer" ErrorMessage="must be 35 valid"
    ForeColor="Red"   ></asp:RangeValidator>
<br />

<asp:Label ID="Label5" runat="server" Text="sub_3: "></asp:Label>
<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
<asp:RangeValidator ID="RangeValidator3" runat="server"
    ControlToValidate="TextBox5"
 MaximummValue="35" Type="Integer" ErrorMessage="must be 35"
        ForeColor="red"></asp:RangeValidator>
<br />

<asp:Label ID="Label6" runat="server" Text="sub_4: "></asp:Label>
<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>
<asp:RangeValidator ID="RangeValidator4" runat="server"
    ControlToValidate="TextBox6"
    MaximumValue="100"
    Type="Integer"
    ErrorMessage="Marks must be 35"
    ForeColor="Red">
</asp:RangeValidator>
<br />

<asp:Label ID="Label7" runat="server" Text="sub_5: "></asp:Label>
<asp:TextBox ID="TextBox7" runat="server"></asp:TextBox>
<asp:RangeValidator ID="RangeValidator5" runat="server"
    ControlToValidate="TextBox7"
   MaximummValue="35" Type="Integer" ErrorMessage="must be 35"
    ForeColor="red" ></asp:RangeValidator>
<br />

<asp:Button ID="Button1" runat="server" Text="Calculate"
OnClick="Button1_Click" />
<asp:CustomValidator ID="CustomValidator1" runat="server"
    OnServerValidate="CustomValidator1_ServerValidate"
```

```
        ErrorMessage="All subjects must be >= 35 to pass"
        ForeColor="Red">
</asp:CustomValidator>

<br /><br />

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


        </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;

namespace WebApplication2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            if (Page.IsValid)
            {

                int sub1 = int.Parse(TextBox3.Text);
                int sub2 = int.Parse(TextBox4.Text);
                int sub3 = int.Parse(TextBox5.Text);
                int sub4 = int.Parse(TextBox6.Text);
                int sub5 = int.Parse(TextBox7.Text);

                int total = sub1 + sub2 + sub3 + sub4 + sub5;
                double percentage = total / 5.0;

                string result = "pass";

                Label8.Text = $"total: {total} ,parcentage:
{percentage}%,result:{result}";
            }
            else
            {
                Label8.Text = "fail";
            }
        }
                protected void CustomValidator1_ServerValidate(object source,
ServerValidateEventArgs args)
                {
```

```csharp
                int sub1 = int.Parse(TextBox3.Text);
                int sub2 = int.Parse(TextBox4.Text);
                int sub3 = int.Parse(TextBox5.Text);
                int sub4 = int.Parse(TextBox6.Text);
                int sub5 = int.Parse(TextBox7.Text);


                args.IsValid = sub1 >= 35 && sub2 >= 35 && sub3 >= 35 && sub4 >=
35 && sub5 >= 35;


            }
    }
}
```

---

3) Write a C# program where a class has a constructor that accepts name and age. Use the constructor to initialize the object and display the result.

File:- WebApplication4

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication4.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            enter name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            enter age:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />
            <asp:Button ID="Button1" runat="server" Text="Button"
OnClick="Button1_Click" />
            <br />
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
        </div>
    </form>
</body>
</html>


using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Cryptography;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Xml.Linq;

namespace WebApplication4
{
```

```csharp
public partial class WebForm1 : System.Web.UI.Page
{
    public class Person
    {
        public string Name;
        public int Age;

        public Person()
        {
            Name = "Riya";
            Age = 22;
        }


        public Person(string name, int age)
        {
            Name = name;
            Age = age;
        }

        public string DisplayPerson()
        {
            string str = "Name: " + Name + "  Age: " + Age;
            return str;
        }
    }

    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        string name = TextBox1.Text;
        int age;
        if (int.TryParse(TextBox2.Text, out age))
        {
            Person p = new Person(name, age);
            Label1.Text=p.DisplayPerson();
        }
        else
        {
            Label1.Text = "please enter a valid age!!";
        }
    }
}
}
```

4) Create a Master Page having the following: • Header: "ABC University", with a logo image and navigation links (Home, About, Contact). • Footer: "© 2025 ABC University | Contact: abc@university.com". Create two content pages: • Page1: Accept student details (Roll No, Name, Course). Submit and display the data on Page2. • Page2: Display the submitted student details.

File :—WebApplication6

```aspx
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs"
Inherits="WebApplication6.Site1" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <title></title>
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <img <img src="logo.png" alt="Logo" style="height:50px; vertical-
align:middle;" /> />
            <h2> ABC University</h2>
            <a href="page1.aspx">HOME</a>
            <a href="#">About</a>
            <a href="#">contact</a>
            <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
            </asp:ContentPlaceHolder>
            @2025 ABC University | contact:abc@university.com
        </div>
    </form>
</body>
</html>

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
AutoEventWireup="true" CodeBehind="page1.aspx.cs"
Inherits="WebApplication6.WebForm1" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
 <h1>student details</h1>
    roll no:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br />
    name:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br />
    course:<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br />
    <asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1_Click" />
</asp:Content>
```

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

namespace WebApplication6
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
```

```csharp
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Session["RollNo"] = TextBox1.Text;
            Session["Name"] = TextBox2.Text;
            Session["Course"] = TextBox3.Text;

            Response.Redirect("Page2.aspx");
        }
    }
    }
```

```aspx
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
AutoEventWireup="true" CodeBehind="page2.aspx.cs"
Inherits="WebApplication6.WebForm2" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
  <h2>submited details</h2>
    <asp:Label ID="Label1" runat="server" Text="roll no: "></asp:Label><br />
    <asp:Label ID="Label2" runat="server" Text="name: "></asp:Label><br />
    <asp:Label ID="Label3" runat="server" Text="course: "></asp:Label>
</asp:Content>
```

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

namespace WebApplication6
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["RollNo"] != null)
            {
                Label1.Text = Session["RollNo"].ToString();
                Label2.Text = Session["Name"].ToString();
                Label3.Text = Session["Course"].ToString();
            }
            else
            {
                Response.Redirect("Page1.aspx");
            }
        }
    }
}
```

5) Create a web application which contains three Panels Panel: ProductSelection ● Controls: A list of products (each with CheckBox or "Add" Button), Quantity selector per product, Button "View Cart" Panel: CartPanel ● Controls: Grid/List of selected items (name, qty, unit price, subtotal), Label "Total", Button "Continue Shopping", Button "Checkout", Button "Remove Selected" Panel: CheckoutPanel (optional) ● Controls: Billing/Shipping form (Name, Address, Payment method), Button "Back to Cart", Button "Place Order", Label for order confirmation Navigation Process: ● Add (per product): Add the product and quantity to an in-memory cart; show confirmation message (e.g., "Added to cart"). ● View Cart: Hide ProductSelection, show CartPanel populated with current cart items. ● Continue Shopping: Hide CartPanel, show ProductSelection (cart persists). ● Remove Selected: Delete selected items from the cart and refresh totals. ● Checkout: Hide CartPanel, show CheckoutPanel. On successful Place Order, show confirmation and clear the cart

File:–App_code/ Product
      App_code/ CartItem
      WebApplication13. Default

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

namespace WebApplication13.App_Code
{
    public class Product
    {
        public int Id { get; set; }
        public string Name { get; set; }
        public decimal UnitPrice { get; set; }
    }
}


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

namespace WebApplication13.App_Code
{
    public class CartItem
    {
        public int ProductId { get; set; }
        public string ProductName { get; set; }
        public decimal UnitPrice { get; set; }
        public int Quantity { get; set; }
        public decimal Subtotal { get { return UnitPrice * Quantity; } }
    }
```

```
}


<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Default.aspx.cs"
Inherits="WebApplication13.Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Panel ID="pnlProducts" runat="server">
            <h2>Products</h2>
            <asp:Label ID="lblMessage" runat="server"
ForeColor="Green"></asp:Label><br />

            <asp:Label runat="server" Text="Apple – ₹10"></asp:Label><br />
            Quantity: <asp:TextBox ID="txtAppleQty" runat="server" Text="1"
Width="40"></asp:TextBox><br />
            <asp:Button ID="btnAddApple" runat="server" Text="Add Apple"
OnClick="btnAddApple_Click" /><br /><br />

            <asp:Label runat="server" Text="Banana – ₹5"></asp:Label><br />
            Quantity: <asp:TextBox ID="txtBananaQty" runat="server" Text="1"
Width="40"></asp:TextBox><br />
            <asp:Button ID="btnAddBanana" runat="server" Text="Add Banana"
OnClick="btnAddBanana_Click" /><br /><br />

            <asp:Button ID="btnViewCart" runat="server" Text="View Cart"
OnClick="btnViewCart_Click" />
        </asp:Panel>

            <asp:Panel ID="pnlCart" runat="server" Visible="false">
            <h2>Your Cart</h2>
            <asp:BulletedList ID="lstCart" runat="server"></asp:BulletedList>
            <asp:Label ID="lblTotal" runat="server" Text="Total: ₹0"></asp:Label><br
/><br />
            <asp:Button ID="btnContinue" runat="server" Text="Continue Shopping"
OnClick="btnContinue_Click" />
            <asp:Button ID="btnCheckout" runat="server" Text="Checkout"
OnClick="btnCheckout_Click" />
        </asp:Panel>

             <asp:Panel ID="pnlCheckout" runat="server" Visible="false">
            <h2>Checkout</h2>
            <asp:Label runat="server" Text="Name: "></asp:Label>
            <asp:TextBox ID="txtName" runat="server"></asp:TextBox><br />
            <asp:Label runat="server" Text="Address: "></asp:Label>
            <asp:TextBox ID="txtAddress" runat="server" TextMode="MultiLine"
Rows="3"></asp:TextBox><br />
            <asp:Label runat="server" Text="Payment Method: "></asp:Label>
            <asp:DropDownList ID="ddlPayment" runat="server">
                <asp:ListItem>Credit Card</asp:ListItem>
                <asp:ListItem>Debit Card</asp:ListItem>
```

```
                    <asp:ListItem>Cash on Delivery</asp:ListItem>
                </asp:DropDownList><br /><br />
                <asp:Button ID="btnBack" runat="server" Text="Back to Cart"
OnClick="btnBack_Click" />
                <asp:Button ID="btnPlaceOrder" runat="server" Text="Place Order"
OnClick="btnPlaceOrder_Click" /><br /><br />
                <asp:Label ID="lblConfirm" runat="server" ForeColor="Green"></asp:Label>
            </asp:Panel>

        </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;
using System.Web.UI.WebControls.WebParts;

namespace WebApplication13
{
    public partial class Default : System.Web.UI.Page
    {
        private List<string> Cart
        {
            get
            {
                if (Session["cart"] == null)
                    Session["cart"] = new List<string>();
                return (List<string>)Session["cart"];
            }
            set
            {
                Session["cart"] = value;
            }
        }


        private int Total
        {
            get
            {
                if (Session["total"] == null)
                    Session["total"] = 0;
                return (int)Session["total"];
            }
            set
            {
                Session["total"] = value;
            }
        }
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
```

```csharp
        pnlProducts.Visible = true;
        pnlCart.Visible = false;
        pnlCheckout.Visible = false;


        lblMessage.Text = "";
        lblConfirm.Text = "";
        lblTotal.Text = "Total: ₹" + Total;
    }
}

protected void btnAddApple_Click(object sender, EventArgs e)
{
    int qty = 1;
    if (!int.TryParse(txtAppleQty.Text, out qty) || qty < 1) qty = 1;

    int price = 10 * qty;
    Cart.Add("Apple x" + qty + " = ₹" + price);
    Total += price;
    lblMessage.Text = "Apple added to cart.";
}

protected void btnAddBanana_Click(object sender, EventArgs e)
{
    int qty = 1;
    if (!int.TryParse(txtBananaQty.Text, out qty) || qty < 1) qty = 1;

    int price = 5 * qty;
    Cart.Add("Banana x" + qty + " = ₹" + price);
    Total += price;
    lblMessage.Text = "Banana added to cart.";
}

protected void btnContinue_Click(object sender, EventArgs e)
{
    pnlCart.Visible = false;
    pnlCheckout.Visible = false;
    pnlProducts.Visible = true;
}

protected void btnCheckout_Click(object sender, EventArgs e)
{
    pnlCart.Visible = false;
    pnlProducts.Visible = false;
    pnlCheckout.Visible = true;
}

protected void btnBack_Click(object sender, EventArgs e)
{
    pnlCheckout.Visible = false;
    pnlCart.Visible = true;
    pnlProducts.Visible = false;
}

protected void btnPlaceOrder_Click(object sender, EventArgs e)
{
```

```
            lblConfirm.Text = "Order placed successfully! Thank you " + txtName.Text
+ ". Total: ₹" + Total;


            Cart.Clear();
            Total = 0;


            lstCart.Items.Clear();
            lblTotal.Text = "Total: ₹" + Total;
        }

        protected void btnViewCart_Click(object sender, EventArgs e)
        {
            pnlProducts.Visible = false;
            pnlCart.Visible = true;
            pnlCheckout.Visible = false;

            lstCart.Items.Clear();
            foreach (var item in Cart)
                lstCart.Items.Add(item);
            lblTotal.Text = "Total: ₹" + Total;
        }
    }
}
```

---

6) Create an application which has the following pages: (Apply Validations on all elements.) • Home page – with two options Login and New User • Login Page – If successfully logged in display the page to welcome the user • New User – Take Name, Contact No, Email and Birthdate for Registration. • After Successful login – Display a welcome message with all the details of registration.

   File :–WebApplication7

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication7.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>welcome to home page</h1>
            <a href="login.aspx">login</a><br />
            <a href="ragister.aspx">new user</a>
            </div>
    </form>
</body>
</html>
```

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="login.aspx.cs"
Inherits="WebApplication7.login" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            email:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator runat="server" ControlToValidate=" TextBox1"
ErrorMessage="Email required" ForeColor="Red" /><br><br>

            contact no:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br
/><br />

            <asp:Button ID="Button1" runat="server" Text="login"
OnClick="Button1_Click" /><br />
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
        </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;

namespace WebApplication7
{
    public partial class login : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            if (Session["Email"] != null && Session["Contact"] != null)
            {
                if (TextBox1.Text == Session["Email"].ToString() && TextBox2.Text ==
Session["Contact"].ToString())
                {
                    Response.Redirect("WELCOME.aspx");
                }
                else
                {
                    Label1.Text = "Invalid Email or Contact No.";
```

```
                    }
                }
                else
                {
                    Label1.Text = "Please register first.";
                }
            }
        }
    }
```

```asp
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ragister.aspx.cs"
Inherits="WebApplication7.ragister" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator runat="server" ControlToValidate=" TextBox1"
ErrorMessage="Name required" ForeColor="Red" /><br><br>

            contact no:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br
/><br />

            email:<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator runat="server" ControlToValidate=" TextBox3"
ErrorMessage="email required" ForeColor="Red" /><br><br>

            birthdate:<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator runat="server" ControlToValidate=" TextBox4"
ErrorMessage="date required" ForeColor="Red" /><br><br>

            <asp:Button ID="Button1" runat="server" Text="ragister"
OnClick="Button1_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;
using System.Xml.Linq;
```

```csharp
namespace WebApplication7
{
    public partial class ragister : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Session["Name"] = TextBox1.Text;
            Session["Contact"] = TextBox2.Text;
            Session["Email"] =  TextBox3.Text;
            Session["Birth"] = TextBox4.Text;


            Response.Redirect("login.aspx");
        }

    }
  }
```

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WELCOME.aspx.cs"
Inherits="WebApplication7.WELCOME" %>

<!DOCTYPE html>

<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="Label"></asp:Label>
        </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;

namespace WebApplication7
{
    public partial class WELCOME : System.Web.UI.Page
```

```
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Session["Name"] != null)
            {
                Label1.Text = "Welcome, " + Session["Name"] + "!<br/><br/>" +
                                "Your Details:<br/>" +
                                "Contact: " + Session["Contact"] + "<br/>" +
                                "Email: " + Session["Email"] + "<br/>" +
                                "Birthdate: " + Session["Birth"];
            }
            else
            {
                Response.Redirect("WebForm1.aspx");
            }
        }
    }
    }
```

7) Create three classes: • Person(Variables: Name, Basic) • Teacher(Variables:HRA-in % Method: TeacherSalary()) • Doctor(Variables:DA – in % Method: DoctorSalary ()). Teacher and Doctor Class inherits Person Class. A constructor in every class is used to initialize data members. Create Teacher and Doctor objects and use methods TeacherSalary() and DoctorSalary () to display the salary for the Teacher and Doctor respectively. Salary to be calculated as per the percentage of HRA and DA.

File :–WebApplication8

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WELCOME.aspx.cs"
Inherits="WebApplication8.WELCOME" %>

<!DOCTYPE html>

<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="Teacher Name: "></asp:Label>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />

            <asp:Label ID="Label2" runat="server" Text="Salary: "></asp:Label>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />

            <asp:Label ID="Label7" runat="server" Text="HRA"></asp:Label>
            <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <br />


            <asp:Label ID="Label8" runat="server" Text="Doctor Name:"></asp:Label>
            <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
            <br />
```

```asp
            <asp:Label ID="Label9" runat="server" Text="Salary:"></asp:Label>
            <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
            <br />

            <asp:Label ID="Label10" runat="server" Text="DA"></asp:Label>
            <asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>
            <br />


            <asp:Button ID="Button1" runat="server" Text="Doctor"
OnClick="Button1_Click" />
            <asp:Button ID="Button2" runat="server" Text="Teacher"
OnClick="Button2_Click" />
            <br />


            <asp:Label ID="Label3" runat="server" Text="Teacher"></asp:Label>
            <br />
            <asp:Label ID="Label4" runat="server" Text=""></asp:Label>
            <asp:Label ID="Label5" runat="server" Text=""></asp:Label>
            <asp:Label ID="Label6" runat="server" Text=""></asp:Label>
            <asp:Label ID="Label15" runat="server" Text=""></asp:Label>
            <br />
            <br />

            <!--Doctor Salary-->
            <asp:Label ID="Label11" runat="server" Text="Doctor"></asp:Label>
            <br />
            <asp:Label ID="Label12" runat="server" Text=""></asp:Label>
            <asp:Label ID="Label13" runat="server" Text=""></asp:Label>
            <asp:Label ID="Label14" runat="server" Text=""></asp:Label>
            <asp:Label ID="Label16" runat="server" Text=""></asp:Label>

        </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;

namespace Employee
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        public class Person
        {
            public String name;
            public double basic;

            public Person()
            {
                name = ""; basic = 0.0;
```

```csharp
        }
    }

    public class Teacher : Person
    {
        public double hra;
        public Teacher(string name, double basic, double hra)
        {
            this.name = name; this.basic = basic; this.hra = hra;
        }

        public double TeacherSalary()
        {
            return (basic * hra) / 100;
        }
    }

    public class Doctor : Person
    {
        public double da;
        public Doctor(string name, double basic, double da)
        {
            this.name = name; this.basic = basic; this.da = da;
        }
        public double DoctorSalary()
        {
            return (basic * da) / 100;
        }
    }

    protected void Page_Load(object sender, EventArgs e)
    {

    }



    protected void Button1_Click(object sender, EventArgs e)
    {
        double sal = double.Parse(TextBox5.Text);
        double da = double.Parse(TextBox6.Text);

        Doctor d = new Doctor(TextBox4.Text,sal, da);
        double total = d.DoctorSalary() + sal;

        Label12.Text = TextBox4.Text;
        Label13.Text = TextBox5.Text;
        Label14.Text = d.DoctorSalary().ToString();
        Label16.Text = total.ToString();
    }


    protected void Button2_Click(object sender, EventArgs e)
    {
        double sal = double.Parse(TextBox2.Text);
        double hra = double.Parse(TextBox3.Text);

        Teacher t = new Teacher(TextBox1.Text, sal, hra);
```

```
            double total = t.TeacherSalary() + sal;

            Label4.Text = TextBox1.Text;
            Label5.Text = TextBox2.Text;
            Label6.Text = t.TeacherSalary().ToString();
            Label15.Text = total.ToString();
        }
    }
}
```

8) Design a class to represent a bank account. Include the following members: Data members: •
   Name of the depositor • Account Number • Type of account • Balance amount in the account
   Methods: • To assign initial values • To deposit an amount • To withdraw an amount • To
   display the name and balance

File :–WebApplication9

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WELCOME.aspx.cs"
Inherits="WebApplication9.WELCOME" %>

<!DOCTYPE html>

<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="Account Number:
"></asp:Label>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />

            <asp:Label ID="Label2" runat="server" Text="Balance"></asp:Label>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />

            Saving:
            <asp:RadioButton ID="RadioButton1" runat="server" GroupName="AccType"
OnCheckedChanged="RadioButton2_CheckedChanged"/>
            Current:
            <asp:RadioButton ID="RadioButton2" runat="server" GroupName="AccType"
OnCheckedChanged="RadioButton2_CheckedChanged" />
            <br />

            <asp:Label ID="Label7" runat="server" Text="Withdraw"></asp:Label>
            <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <br />

            <asp:Button ID="Button1" runat="server" Text="Withdraw"
OnClick="Button1_Click" />
            <br />

            <asp:Label ID="Label3" runat="server" Text="Your Balance:"></asp:Label>
            <asp:Label ID="Label4" runat="server" Text=""></asp:Label>
```

```
                <br />

                <asp:Label ID="Label5" runat="server" Text="Withdrawn
Amount:"></asp:Label>
                <asp:Label ID="Label6" runat="server" Text=""></asp:Label>
                <br />

                <asp:Label ID="Label8" runat="server" Text="Remaining
Amount:"></asp:Label>
                <asp:Label ID="Label9" runat="server" Text=""></asp:Label>
                <br />

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

        </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;

namespace BankAbstraction
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        public abstract class BankAccount
        {
            public long AccNo;
            public int balance;

            public abstract string Withdraw(int amount);
        }

        public class Saving : BankAccount
        {
            public Saving(long AccNo, int balance)
            {
                this.AccNo = AccNo;
                this.balance = balance;
            }
            public override string Withdraw(int amount)
            {
                int Remaining = balance - amount;
                if (Remaining >= 5000)
                {
                    return "Your Balance is: " + Remaining.ToString();
                }
                else
                {
                    return "Transaction failed because balance: "
                        + Remaining.ToString()
                        + "<br/>"
                        + "Saving required minimum 5000 after withdrawn"
```

```csharp
                + "<br/>";
            }
        }
    }

    public class Current : BankAccount
    {
        public Current(long AccNo, int balance)
        {
            this.AccNo = AccNo;
            this.balance = balance;
        }
        public override string Withdraw(int amount)
        {
            int Remaining = balance - amount;
            string message = "Your Balance is: " + Remaining.ToString();
            if (Remaining < 0)
            {
                message += "<br> Your amount exceeds limits!";
            }
            return message;
        }
    }

    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        long accno = long.Parse(TextBox1.Text);
        int balance = int.Parse(TextBox2.Text);
        int amount = int.Parse(TextBox3.Text);

        if (RadioButton1.Checked)
        {
            BankAccount bank = new Saving(accno, balance);

            Label4.Text = balance.ToString();
            Label6.Text = amount.ToString();
            Label9.Text = ((balance - amount) >= 5000 ? (balance - amount) :
balance).ToString();
            Label10.Text = bank.Withdraw(amount);
        }

        else
        {
            BankAccount bank = new Current(accno, balance);

            Label4.Text = balance.ToString();
            Label6.Text = amount.ToString();
            Label9.Text = (balance - amount).ToString();
            Label10.Text = bank.Withdraw(amount);
        }

    }
```

```csharp
        protected void RadioButton2_CheckedChanged(object sender, EventArgs e)
        {
            Label7.Visible = TextBox3.Visible = true;
        }
    }
      }
```

9) Create an application for Employee Management (Create database in MySQL) Table:
   Employee(EmpId, Name, Department_Id, Salary) Page features: • GridView to show all
   employees. • Add buttons for the following: o Insert, Delete and Update operations. o Show the
   name of the highest paid employee. o Display the average salary o Show Department wise
   employee count

File :-WebApplication10

```xml
<configuration>
      <connectionStrings>
            <add name="MySqlConn"
                    connectionString="server=localhost;user id=root;password=
;database=company;"
                    providerName="MySql.Data.MySqlClient" />
      </connectionStrings>
</configuration>
```

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication10.WELCOME" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Employee Management</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h2>Employee Management</h2>

            <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="True"
                DataKeyNames="EmpId"
OnSelectedIndexChanged="GridView1_SelectedIndexChanged">
            </asp:GridView>

            <br />

            <asp:Label runat="server" Text="Name: "></asp:Label>
            <asp:TextBox ID="txtName" runat="server"></asp:TextBox><br /><br />

            <asp:Label runat="server" Text="Department Id: "></asp:Label>
            <asp:TextBox ID="txtDept" runat="server"></asp:TextBox><br /><br />

            <asp:Label runat="server" Text="Salary: "></asp:Label>
            <asp:TextBox ID="txtSalary" runat="server"></asp:TextBox><br /><br />
```

```asp
            <asp:Button ID="btnInsert" runat="server" Text="Insert"
OnClick="btnInsert_Click" />
            <asp:Button ID="btnUpdate" runat="server" Text="Update"
OnClick="btnUpdate_Click" />
            <asp:Button ID="btnDelete" runat="server" Text="Delete"
OnClick="btnDelete_Click" /><br /><br />


            <asp:Button ID="btnHighest" runat="server" Text="Highest Paid Employee"
OnClick="btnHighest_Click" />
            <asp:Button ID="btnAvgSalary" runat="server" Text="Average Salary"
OnClick="btnAvgSalary_Click" />
            <asp:Button ID="btnDeptCount" runat="server" Text="Department Wise
Count" OnClick="btnDeptCount_Click" /><br /><br />


            <asp:Label ID="lblResult" runat="server" Text=""></asp:Label>
        </div>
    </form>
</body>
</html>
```

```csharp
using System;
using System.Configuration;
using System.Data;
using System.Data.SqlClient;
using System.Web.UI.WebControls;
using System.Xml.Linq;
using MySql.Data.MySqlClient;

namespace WebApplication1
{
    public partial class Employee : System.Web.UI.Page
    {
        MySqlConnection con = new MySqlConnection(
            ConfigurationManager.ConnectionStrings["MySqlConn"].ConnectionString);

        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
                LoadGrid();
        }

        void LoadGrid()
        {
            string query = "SELECT * FROM employee";
            MySqlDataAdapter da = new MySqlDataAdapter(query, con);
            DataTable dt = new DataTable();
            da.Fill(dt);
            GridView1.DataSource = dt;
            GridView1.DataBind();
        }

        protected void btnInsert_Click(object sender, EventArgs e)
        {
```

```csharp
            string query = "INSERT INTO employee (Name, Department_Id, Salary)
VALUES (@n,@d,@s)";
            MySqlCommand cmd = new MySqlCommand(query, con);
            cmd.Parameters.AddWithValue("@n", txtName.Text);
            cmd.Parameters.AddWithValue("@d", txtDept.Text);
            cmd.Parameters.AddWithValue("@s", txtSalary.Text);
            con.Open();
            cmd.ExecuteNonQuery();
            con.Close();
            lblResult.Text = " Employee Inserted!";
            LoadGrid();
        }

        protected void btnUpdate_Click(object sender, EventArgs e)
        {
            string query = "UPDATE employee SET Name=@n, Department_Id=@d, Salary=@s
WHERE EmpId=@id";
            MySqlCommand cmd = new MySqlCommand(query, con);
            cmd.Parameters.AddWithValue("@id", GridView1.SelectedValue);
            cmd.Parameters.AddWithValue("@n", txtName.Text);
            cmd.Parameters.AddWithValue("@d", txtDept.Text);
            cmd.Parameters.AddWithValue("@s", txtSalary.Text);
            con.Open();
            cmd.ExecuteNonQuery();
            con.Close();
            lblResult.Text = " Employee Updated!";
            LoadGrid();
        }

        protected void btnDelete_Click(object sender, EventArgs e)
        {
            string query = "DELETE FROM employee WHERE EmpId=@id";
            MySqlCommand cmd = new MySqlCommand(query, con);
            cmd.Parameters.AddWithValue("@id", GridView1.SelectedValue);
            con.Open();
            cmd.ExecuteNonQuery();
            con.Close();
            lblResult.Text = " Employee Deleted!";
            LoadGrid();
        }

        protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
        {
            GridViewRow row = GridView1.SelectedRow;
            txtName.Text = row.Cells[1].Text;
            txtDept.Text = row.Cells[2].Text;
            txtSalary.Text = row.Cells[3].Text;
        }

        protected void btnHighest_Click(object sender, EventArgs e)
        {
            string query = "SELECT Name FROM employee ORDER BY Salary DESC LIMIT 1";
            MySqlCommand cmd = new MySqlCommand(query, con);
            con.Open();
            string name = cmd.ExecuteScalar()?.ToString();
            con.Close();
            lblResult.Text = " Highest Paid Employee: " + name;
        }
```

```
        protected void btnAvgSalary_Click(object sender, EventArgs e)
        {
            string query = "SELECT AVG(Salary) FROM employee";
            MySqlCommand cmd = new MySqlCommand(query, con);
            con.Open();
            object avg = cmd.ExecuteScalar();
            con.Close();
            lblResult.Text = "Average Salary: " + avg.ToString();
        }

        protected void btnDeptCount_Click(object sender, EventArgs e)
        {
            string query = "SELECT Department_Id, COUNT(*) AS EmpCount FROM employee
GROUP BY Department_Id";
            MySqlDataAdapter da = new MySqlDataAdapter(query, con);
            DataTable dt = new DataTable();
            da.Fill(dt);
            GridView1.DataSource = dt;
            GridView1.DataBind();
            lblResult.Text = " Department-wise Employee Count:";
        }
    }
}
```

10)Add data from the user in the list box. If the user enters same data give a message "Item already in the listbox". Take a button named "Move" which add the selected items from first list box to another list box. (Do not delete from first listbox). Also show the selected items in a label.

File :-WebApplication11

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication11.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:Button ID="Button1" runat="server" Text="Button"
OnClick="Button1_Click" /><br />

            <asp:Label ID="Label1" runat="server"></asp:Label><br />

             <asp:ListBox ID="lstSource" runat="server" SelectionMode="Multiple"
Width="200px"></asp:ListBox>
            <asp:Button ID="Button2" runat="server" Text="Button"
OnClick="Button2_Click" /><br />

            <asp:ListBox ID="ListBox2" runat="server" SelectionMode="Multiple"
Width="200px"></asp:ListBox><br />

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

```
            </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;

namespace WebApplication11
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            string item = TextBox1.Text.Trim();
            Label1.Text = "";

            if (string.IsNullOrEmpty(item))
            {
                Label1.Text = "Please enter an item.";
                return;
            }


            if (lstSource.Items.FindByText(item) != null)
            {
                Label1.Text = "Item already in the listbox.";
                return;
            }

            lstSource.Items.Add(item);
            TextBox1.Text = "";
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            if (lstSource.GetSelectedIndices().Length == 0)
            {
                Label2.Text = "No items selected to move.";
                return;
            }

            ListBox2.Items.Clear();
            string selectedItems = "";

            foreach (ListItem item in lstSource.Items)
            {
                if (item.Selected)
                {
```

```
                    ListBox2.Items.Add(item.Text);
                    selectedItems += item.Text + ", ";
                }
            }

            if (selectedItems.Length > 0)
                selectedItems = selectedItems.Substring(0, selectedItems.Length -
2);

            Label2.Text = "Selected Items: " + selectedItems;

        }
    }
}
```

---

10) Create the following using MVC: Take two classes: a. Student(RollNo, Name, ContactNo) b. Marks(RollNo, Sub1_Marks, Sub2_Marks, Sub3_Marks, Total, Percentage) Take input for RollNo, Name, ContactNo, Sub1_Marks, Sub2_Marks, Sub3_Marks. (Marks out of 100) Check that the student should secure minimum of 35 for passing in each subject. Calculate Total and Percentage. Display the Final result as Pass or Fail.

File :-mvc_studentResult.Models

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace mvc_studentResult.Models
{
    public class Student
    {
        public int RollNo { get; set; }

        public string name {  get; set; }

        public string ContactNo { get; set; }
    }
}


using System;

namespace mvc_studentResult.Models
{
    public class marks
    {
        public int RollNo { get; set; }

        public int Sub1_Marks { get; set; }

        public int Sub2_Marks { get; set; }

        public int Sub3_Marks { get; set; }
```

```csharp
        public int total { get; set; }

        public Double percentage { get; set; }

        public string result { get; set; }

    }
}

using MvcStudentResult.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace mvc_studentResult.Controllers
{
    public class HomeController : Controller
    {
        [HttpGet]
        public ActionResult entermarks()
        {
            return View();
        }

        [HttpPost]
        public ActionResult entermarks(studentmarksviewModel)
        {
            if (!ModelState.IsValid)
            {
                return View(model);

                model.Marks.Total = model.Marks.Sub1_Marks + model.Marks.Sub2_Marks
+ model.Marks.Sub3_Marks;
                model.Marks.Percentage = model.Marks.Total / 3.0;


                if (model.Marks.Sub1_Marks >= 35 && model.Marks.Sub2_Marks >= 35 &&
model.Marks.Sub3_Marks >= 35)
                    model.Marks.Result = "Pass";
                else
                    model.Marks.Result = "Fail";

                return View("Result", model);
            }
            return View("result", model);
        }
        public ActionResult Index()
        {
            return View();
        }

        public ActionResult About()
        {
            ViewBag.Message = "Your application description page.";
```

```
            return View();
        }

        public ActionResult Contact()
        {
            ViewBag.Message = "Your contact page.";

            return View();
        }
    }
}

@model MvcStudentResult.Models.Student

<h2>MovieBooking</h2>

@using (Html.BeginForm())
{
<div>
    <label>Roll No:</label>
    @Html.TextBoxFor(m => m.Student.RollNo)
    @Html.ValidationMessageFor(m => m.Student.RollNo)
</div>

<div>
    <label>Name:</label>
    @Html.TextBoxFor(m => m.Student.Name)
    @Html.ValidationMessageFor(m => m.Student.Name)
</div>

<div>
    <label>Contact No:</label>
    @Html.TextBoxFor(m => m.Student.ContactNo)
    @Html.ValidationMessageFor(m => m.Student.ContactNo)
</div>

<div>
    <label>Sub1 Marks:</label>
    @Html.TextBoxFor(m => m.Marks.Sub1_Marks)
    @Html.ValidationMessageFor(m => m.Marks.Sub1_Marks)
</div>

<div>
    <label>Sub2 Marks:</label>
    @Html.TextBoxFor(m => m.Marks.Sub2_Marks)
    @Html.ValidationMessageFor(m => m.Marks.Sub2_Marks)
</div>

<div>
    <label>Sub3 Marks:</label>
    @Html.TextBoxFor(m => m.Marks.Sub3_Marks)
    @Html.ValidationMessageFor(m => m.Marks.Sub3_Marks)
</div>

<br />
<input type="submit" value="Book Ticket" />

}
```

```
@{
    ViewBag.Title = "BookingDetails";
}@model MvcStudentResult.Models.Student


<h2>student result</h2>

<p><b>roll no:</b> @Model.student.rollno</p>
<p><b>name:</b> @Model.student.name</p>
<p><b>contact no:</b> @Model.student.contactno</p>

<p><b>sub1 marks:</b> @Model.marks.sub1_marks</p>
<p><b>sub2 marks:</b> @Model.marks.sub2_marks</p>
<p><b>sub3 marks:</b> @Model.marks.sub3_marks</p>

<p><b>Total Amount:</b> @Model.marks.total</p>
<p><b>Percentage:</b> @Model.Marks.Percentage.ToString("0.00")%</p>
<p><b>Result:</b> @Model.Marks.Result</p>

<br />
<a href="@Url.Action("EnterMarks","Student")">Enter Another Student</a>
```

12) Create the following using MVC: Classes: a. Patient(PatientId, Name, Age) b. Doctor(DoctorId, Name, Specialization) c. Report(PatientId, DoctorId, BP, Sugar, Result) Input: Patient, Doctor, and health readings Process: • If BP > 140 or Sugar > 140 → "Abnormal" else "Normal" • Output: Patient Name, Doctor Name, and Diagnosis Result.

```
File :-WebApplication12

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

namespace WebApplication12.Models
{
    public class doctorcs
    {
        public int doctorid { get; set; }

        public string name { get; set; }

        public string specialization { get; set; }
    }
}

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

namespace WebApplication12.Models
{
    public class Patient
    {
```

```csharp
        public int patientid { get; set; }

        public string name { get; set; }

        public int age { get; set; }
    }
}

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

namespace WebApplication12.Models
{
    public class report
    {
        public int  patientid { get; set; }

        public int doctorid { get; set; }

        public int bp {  get; set; }

        public int sugar { get; set; }

        public string result { get; set; }
    }
}

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace WebApplication12.Controllers
{
    public class HomeController : Controller
    {
        public ActionResult Index()
        {
            return View();
        }

        public ActionResult About()
        {
            ViewBag.Message = "Your application description page.";

            return View();
        }

        public ActionResult Contact()
        {
            ViewBag.Message = "Your contact page.";

            return View();
        }
    }
```

```
    }


@model MvcwebApplication.Models.Patient
@{
    ViewBag.Title = "input";
}

<h2>enter a details</h2>

@using (Html.BeginForm())
{
    <h3>Patient Details</h3>
    <div>
        @Html.LabelFor(m => m.patientid)
        @Html.TextBoxFor(m => m.patientid)
    </div>
    <div>
        @Html.LabelFor(m => m.name)
        @Html.TextBoxFor(m => m.name)
    </div>
    <div>
        @Html.LabelFor(m => m.age)
        @Html.TextBoxFor(m => m.age)
    </div>

    <h3>Doctor Details</h3>
    <div>
        <label>Doctor ID</label>
        <input type="number" name="DoctorId" required />
    </div>
    <div>
        <label>Doctor Name</label>
        <input type="text" name="Name" required />
    </div>
    <div>
        <label>Specialization</label>
        <input type="text" name="Specialization" required />
    </div>

    <h3>Health Readings</h3>
    <div>
        <label>BP</label>
        <input type="number" name="BP" required min="0" max="300" />
    </div>
    <div>
        <label>Sugar</label>
        <input type="number" name="Sugar" required min="0" max="300" />
    </div>

    <br />
    <input type="submit" value="Submit" />
}


@{
    ViewBag.Title = "result";
}   var patient = ViewBag.Patient;
```

```
    var doctor = ViewBag.Doctor;
    var report = ViewBag.Report;
```

<h2>result</h2>

<p>Patient Name: @patient.Name</p>
<p>Doctor Name: @doctor.Name</p>
<p>BP: @report.BP</p>
<p>Sugar: @report.Sugar</p>
<p>Diagnosis Result: @report.Result</p>