Q1:

WebForm1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Q1.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <div style="font-weight: 700">

            <strong>Choose a Fruit:</strong><asp:CheckBoxList ID="CheckBoxList1"
runat="server" style="margin-top: 0px" >
            </asp:CheckBoxList>
            <br />
            Choose an Ice-Cream:<asp:RadioButtonList ID="RadioButtonList1"
runat="server">
            </asp:RadioButtonList>
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Make
Milkshake" />
            <br />
            <br />
            <asp:Label ID="Label1" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>
```

WebForm1.aspx.cs

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

namespace Q1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                List<string> Fruit = new List<string>();
                Fruit.Add("Mango");
                Fruit.Add("Orange");
                CheckBoxList1.DataSource = Fruit;
                List<string> IceCream = new List<string>();
                IceCream.Add("Black Current");
                IceCream.Add("Chocolate");
                IceCream.Add("Vanilla");
```

```csharp
            RadioButtonList1.DataSource = IceCream;
            this.DataBind();
        }
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        int[] arr = { 10, 20, 30 };
        Random r = new Random();
        int num = r.Next(0, 3);
        Label1.Text = "The Milkshake you picked has <br/>Fruit: " +
CheckBoxList1.SelectedItem.Text + "<br/>Ice-Cream: " +
RadioButtonList1.SelectedItem.Text + "<br/><br/>The price of your milkshake is : Rs."
+ arr[num].ToString();
    }
}
}
```

https://localhost:44384/WebForm ✕ +

← → C ⚠ Not secure | localhost:44384/WebForm1.aspx

Choose a Fruit:
☑ **Mango**
☐ **Orange**

Choose an Ice-Cream:
◉ **Black Current**
◯ **Chocolate**
◯ **Vanilla**

[Make Milkshake]

The Milkshake you picked has
Fruit: Mango
Ice-Cream: Black Current

The price of your milkshake is : Rs.10

Q2:

Page1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Page1.aspx.cs"
Inherits="Q2.Page1" %>
```

```html
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
                
            <br />
            <br />
   
            <asp:Label ID="Label1" runat="server" Text="Travel packages:"></asp:Label>
            <br />
            <br />
   
            <asp:ListBox ID="ListBox1" runat="server" DataSourceID="SqlDataSource1"
DataTextField="place" AutoPostBack="true"></asp:ListBox>
            <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=Tours;Integrated
Security=SSPI" SelectCommand="SELECT place FROM Travel" ></asp:SqlDataSource>
            <br />
            <br />
   
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Get
Details" AutoPostBack ="true"/>
        </div>
    </form>
</body>
</html>
```

Page1.aspx.cs

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

namespace Q2
{
    public partial class Page1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            string place = ListBox1.SelectedValue;
            string url = "Page2.aspx?place=" + Server.UrlEncode(place);
            Response.Redirect(url);
        }
    }
}
```

Page2.aspx

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Page2.aspx.cs"
Inherits="Q2.Page2" %>
```
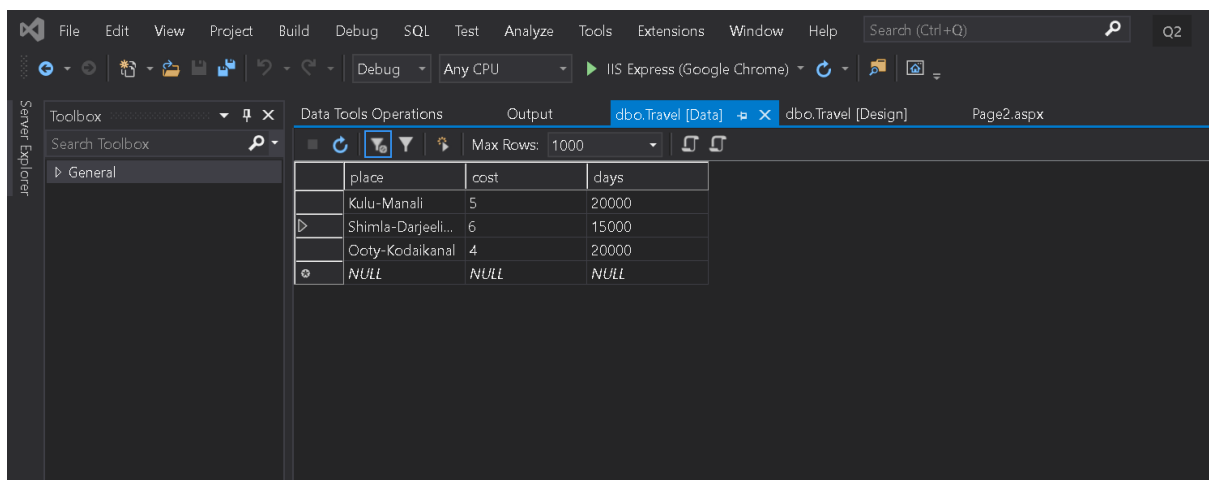
```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:GridView ID="GridView1" runat="server" DataSourceID="SqlDataSource1">
            </asp:GridView>
            <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=Tours;Integrated
Security=SSPI" SelectCommand="SELECT * FROM Travel WHERE place=@place">
                <SelectParameters>
                    <asp:QueryStringParameter Name="place" QueryStringField="place"/>
                </SelectParameters>
            </asp:SqlDataSource>
        </div>
    </form>
</body>
</html>
```
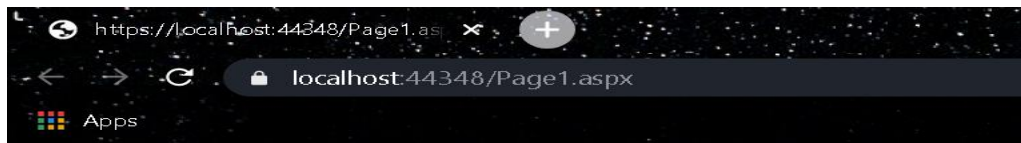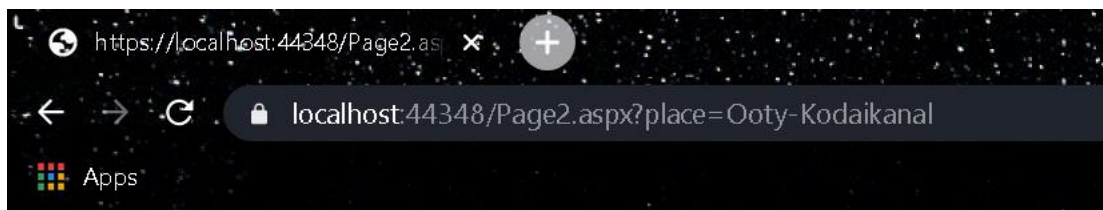
Travel packages:

```
Kulu-Manali
Ooty-Kodaikanal
Shimla-Darjeeling
```

Get Details

place	cost	days
Ooty-Kodaikanal	4	20000

Q3:

Default.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 304px">
             
            <br />
            <br />
   
            <asp:Label ID="Label1" runat="server" Text="States:"></asp:Label>
            <br />
            <br />
   
            <asp:DropDownList ID="DropDownList1" runat="server"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" AutoPostBack="true">
            </asp:DropDownList>
            <br />
            <br />
   
            <asp:Label ID="Label2" runat="server" Text="Cities:"></asp:Label>
            <br />
            <br />
   
            <asp:DropDownList ID="DropDownList2" runat="server"
DataSourceID="SqlDataSource1" DataTextField="CityName">
            </asp:DropDownList>
            <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=Test;Integrated
Security=SSPI" SelectCommand="SELECT CityName FROM City WHERE StateID=@StateID">
                <SelectParameters>
                    <asp:ControlParameter ControlID="DropDownList1" Name="StateID"
PropertyName="SelectedValue"/>
                </SelectParameters>
            </asp:SqlDataSource>
        </div>
    </form>
</body>
</html>
```

Default.aspx.cs

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

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

```
        if(!this.IsPostBack)
        {
            Dictionary<int, string> state = new Dictionary<int, string>();

            state.Add(1, "Maharashtra");
            state.Add(2, "Karnataka");
            state.Add(3, "Kerala");
            state.Add(4, "Gujarat");
            state.Add(5, "Rajasthan");

            DropDownList1.DataSource = state;

            DropDownList1.DataTextField = "Value";
            DropDownList1.DataValueField = "Key";

            this.DataBind();
        }
    }

}
```


Q4:
Default.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 519px">
           
            <br />
            <br />
   
            <asp:Label ID="Label1" runat="server" Text="Categories:"></asp:Label>
```

```
            <br />
   
            <br />
   
            <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="true">
            </asp:DropDownList>
            <br />
            <br />
   
            <asp:Label ID="Label2" runat="server" Text="Actors:"></asp:Label>
            <br />
            <br />
   
            <asp:ListBox ID="ListBox1" runat="server" DataSourceID="SqlDataSource1"
DataTextField="name" AutoPostBack="true"></asp:ListBox>
            <br />
            <br />
   
            <asp:Label ID="Label3" runat="server" Text="Actor details:"></asp:Label>
            <br />
            <br />
   
            <asp:GridView ID="GridView1" runat="server" DataSourceID="SqlDataSource2">
            </asp:GridView>
            <br />
            <br />
            <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=Test;Integrated
Security=SSPI" SelectCommand="SELECT name FROM Legends WHERE category=@category">
                <SelectParameters>
                    <asp:ControlParameter ControlID="DropDownList1" Name="category"
PropertyName="SelectedValue"/>
                </SelectParameters>
            </asp:SqlDataSource>
            <asp:SqlDataSource ID="SqlDataSource2" runat="server"
ConnectionString="Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=Test;Integrated
Security=SSPI" SelectCommand="SELECT name,age FROM Legends WHERE name=@name">
                <SelectParameters>
                    <asp:ControlParameter ControlID="ListBox1" Name="name"
PropertyName="SelectedValue"/>
                </SelectParameters>
            </asp:SqlDataSource>

   
        </div>
    </form>
</body>
</html>
```

Default.aspx.cs

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

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

```
        if(!this.IsPostBack)
        {
            List<String> category = new List<String>();

            category.Add("comedy");
            category.Add("romance");
            category.Add("action");

            DropDownList1.DataSource = category;
            this.DataBind();
        }
    }
}
```

dbo.Actors [Data]	⇥ ✕	dbo.Actors [Design]		q4.aspx*		dbo.City [D

■ Ċ | 🔽 🔻 | | Max Rows: 1000 | ▾ | 🔲 🔲

	Id	name	age	category
	1	Amitabh	78	Bollywood
	2	Prakash	76	Kannada
	3	Tom cruise	57	Hollywood
	4	Angelina	43	Hollywood
	5	Tom Hanks	67	Hollywood
	6	Aishwarya	48	Bollywood
▶*	NULL	NULL	NULL	NULL

dbo.Actors [Data]		dbo.Actors [Design] ⇥ ✕	q4.aspx		dbo.City [Data]

⬆ Update | Script File: dbo.Table_1.sql ▾

	Name	Data Type	Allow Nulls	Default	
⇥○	Id	nchar(10)	☐		
	name	varchar(10)	☐		
	age	nchar(10)	☐		
	category	varchar(10)	☐		
			☐		

Select Category: [Hollywood ▾] [Select Category]

Select Actor:
```
Tom cruise  ▲
Angelina
Tom Hanks
Brad Pitt    ▼
```
[Select Actor]

Actor Details:

name	age	category
Tom cruise	57	Hollywood