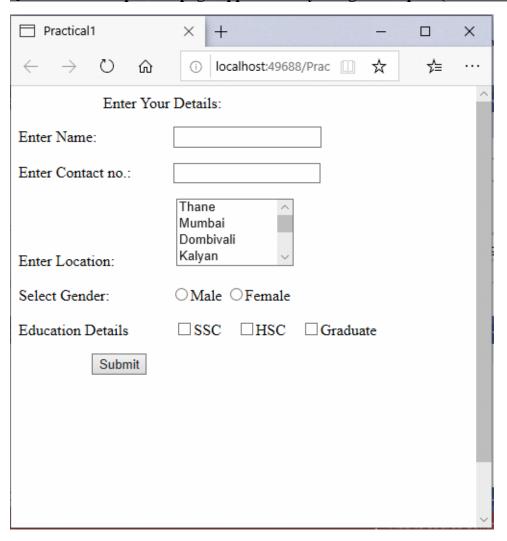
ASP.NET Core Practicals:

Practical 1: Creating simple applications and testing applications

Q1. Create a simple Webpage Application by using user inputs (Personal Details Form)



Pract1.aspx.cs

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

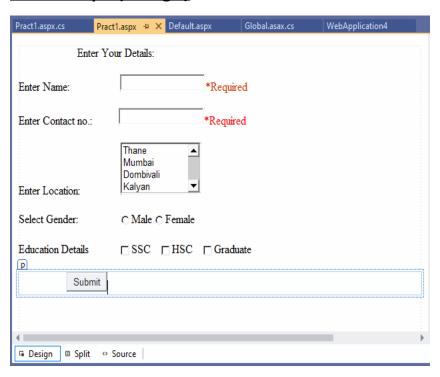
```
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebApplication4
    public partial class Pract1 : System.Web.UI.Page
        protected void Page Load(object sender, EventArgs e)
        protected void Button1 Click(object sender, EventArgs e)
            Response.Write("My name is " + txtname.Text + "</br>");
            Response.Write("My Contact no. is " + txtcontact.Text + "</br>");
            Response.Write("My Location is " + lstlocation.SelectedItem.Text + "</br>");
            if (maleradiobutton.Checked == true)
            {
                Response.Write("My Gender is " + maleradiobutton.Text + "</br>");
            if (femaleradiobutton.Checked == true)
            {
                Response.Write("My Gender is " + femaleradiobutton.Text + "</br>");
            StringBuilder sbUserchoices = new System.Text.StringBuilder();
            if (chkgraduate.Checked == true)
            {
                sbUserchoices.Append(chkgraduate.Text);
            if (chkhsc.Checked == true)
            {
                sbUserchoices.Append(chkhsc.Text);
            if (chkssc.Checked == true)
            {
                sbUserchoices.Append(chkssc.Text);
            Response.Write("My Education details are " + sbUserchoices.ToString() +
"</br>");
        }
    }
}
```

Pract1.aspx (source code)

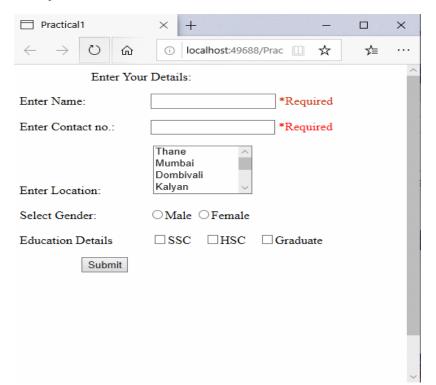
```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Pract1.aspx.cs"</pre>
Inherits="WebApplication4.Pract1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title>Practical1</title>
</head>
<body>
   <form id="form1" runat="server">
          <!-- <%Response.Write("Hello"); %> -->
              
;     
          <asp:Label ID="Label1" runat="server" Text="Enter Your Details:"></asp:Label>
      </div>
      >
          <asp:Label ID="lblname" runat="server" Text="Enter Name:"></asp:Label>
              
;   
          <asp:TextBox ID="txtname" runat="server"></asp:TextBox>
          <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"</pre>
ControlToValidate="txtname" ErrorMessage="*Required"
ForeColor="#CC3300"></asp:RequiredFieldValidator>
      >
          <asp:Label ID="lblcontact" runat="server" Text="Enter Contact</pre>
no.:"></asp:Label>
       
          <asp:TextBox ID="txtcontact" runat="server"></asp:TextBox>
          <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"</pre>
ControlToValidate="txtcontact" ErrorMessage="*Required"
ForeColor="Red"></asp:RequiredFieldValidator>
      >
          <asp:Label ID="lbllocation" runat="server" Text="Enter</pre>
Location: "></asp:Label>
            
          <asp:ListBox ID="lstlocation" runat="server" Width="122px">
             <asp:ListItem>Thane</asp:ListItem>
             <asp:ListItem>Mumbai</asp:ListItem>
             <asp:ListItem>Dombivali</asp:ListItem>
             <asp:ListItem>Kalyan</asp:ListItem>
             <asp:ListItem>Andheri</asp:ListItem>
             <asp:ListItem>Badlapur</asp:ListItem>
             <asp:ListItem>Karjat</asp:ListItem>
             <asp:ListItem>Dadar</asp:ListItem>
          </asp:ListBox>
      <n>
          <asp:Label ID="lblgender" runat="server" Text="Select Gender:"></asp:Label>
            
          <asp:RadioButton ID="maleradiobutton" runat="server" Text="Male" />
          <asp:RadioButton ID="femaleradiobutton" runat="server" Text="Female" />
```

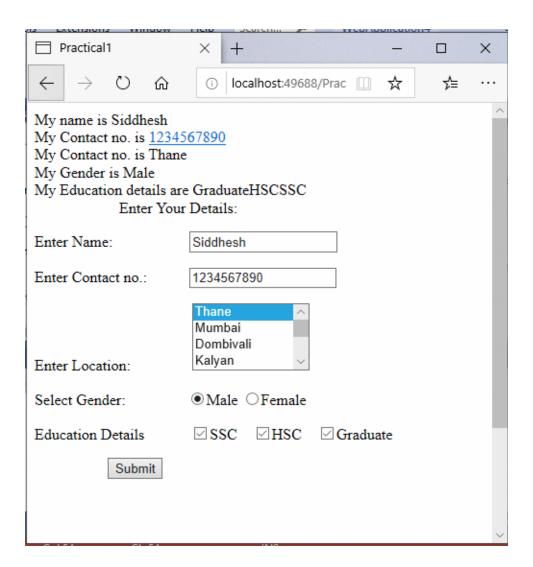
```
<asp:Label ID="lbleducation" runat="server" Text="Education"</pre>
Details"></asp:Label>
       
        <asp:CheckBox ID="chkssc" runat="server" Text="SSC" />
 
         <asp:CheckBox ID="chkhsc" runat="server" Text="HSC" />
       
        <asp:CheckBox ID="chkgraduate" runat="server" Text="Graduate" />
     >
             
;   
        <asp:Button ID="Button1" runat="server" Text="Submit" OnClick="Button1_Click"</pre>
/>
     >
         
     >
         
     >
         
     >
         
     >
         
     >
         
  </form>
</body>
</html>
```

Pract1.aspx (Design)



Output:





Q2. Write a simple Console applications and testing applications

```
using System;
class SimpleApplication
{
  static void Main()
  {
    // Creating a simple application
    Console.WriteLine("Welcome to the Simple Application!");
    Console.Write("Please enter your name: ");
    string name = Console.ReadLine();
    Console.WriteLine("Hello, " + name + "! This is a simple application.");
    // Testing the application
    Console.WriteLine("\nTesting the Simple Application...");
    Console.WriteLine("Enter 'quit' to exit the testing loop.");
    while (true)
    {
      Console.Write("Enter a number to square (or 'quit' to exit): ");
      string input = Console.ReadLine();
      if (input.ToLower() == "quit")
         break;
      if (int.TryParse(input, out int number))
      {
         int result = number * number;
         Console.WriteLine("The square of " + number + " is " + result + ".");
      }
```

```
else
{
    Console.WriteLine("Invalid input. Please enter a valid number or 'quit'.");
}

Console.WriteLine("\nTesting complete. Press any key to exit.");
Console.ReadKey();
}
```