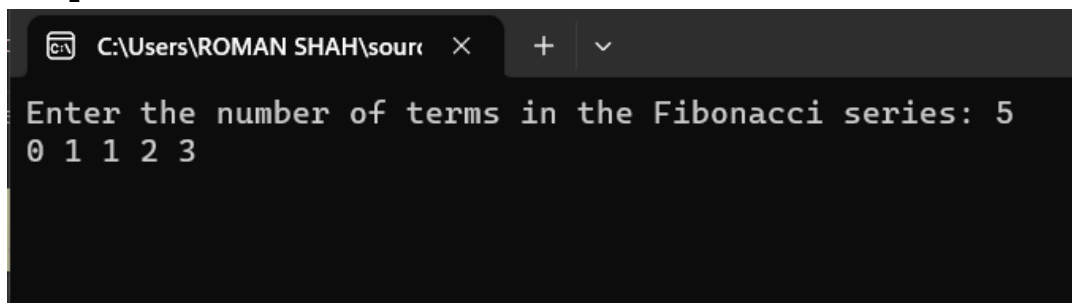


**6. Create a console application to perform fibonacci series.**

```
using System;
namespace Fibonacci
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.Write("Enter the number of terms in the Fibonacci
            series: "); int n = int.Parse(Console.ReadLine());
            int a = 0, b = 1, c;
            Console.Write("{0} {1} ", a, b);
            for (int i = 3; i <= n; i++)
            {
                c = a + b;
                Console.Write("{0} ", c);
                a = b;
                b = c;
            }
            Console.ReadKey();
        }
    }
}
```

**Output:**A screenshot of a Windows console application window. The title bar shows the file path "C:\Users\ROMAN SHAH\source\...". The console output displays the prompt "Enter the number of terms in the Fibonacci series: 5" followed by the output "0 1 1 2 3".

```
C:\Users\ROMAN SHAH\source\...
Enter the number of terms in the Fibonacci series: 5
0 1 1 2 3
```

**Q-7 Create web application to perform registration and login page with design****UserModel.cs**

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

namespace Register_Login.Models
{
    public class UserModel
    {
        public int id { get; set; }
        public string Name { get; set; }
        public string Password { get; set; }
        public int Phone { get; set; }
        public string City { get; set; }
    }
}
```

**HomeController.cs**

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using Register_Login.DBModel;
using Register_Login.Models;

namespace Register_Login.Controllers
{
    public class HomeController : Controller
    {
        UserDBEntities2 objuserDBEntities2 = new UserDBEntities2();
        // GET: Home
        public ActionResult Register()
        {
            UserModel objUserModel = new UserModel();
            return View(objUserModel);
        }
        [HttpPost]
        public ActionResult Register(UserModel objUserModel)
        {
            if(ModelState.IsValid)
            {

```

```

        Register objRegister = new DBModel.Register();
        objRegister.Id = objUserModel.id;
        objRegister.Name = objUserModel.Name;
        objRegister.Password = objUserModel.Password;
        objRegister.Phone = objUserModel.Phone;
        objRegister.City = objUserModel.City;
        objuserDBEntities2.Registers.Add(objRegister);
        objuserDBEntities2.SaveChanges();
        objUserModel = new UserModel();
        return View(objUserModel);
    }
    return View();
}

public ActionResult Login()
{
    LoginModel objLoginModel = new LoginModel();
    return View(objLoginModel);
}

[HttpPost]
public ActionResult Login(LoginModel objLoginModel)
{
    if(ModelState.IsValid)
    {
        if(objuserDBEntities2.Registers.Where(model => model.Name ==
objLoginModel.Name && model.Password ==
objLoginModel.Password).FirstOrDefault() == null)
        {
            ModelState.AddModelError("Error", "Name and Password are
wrong");
            return View();
        }
        else
        {
            ModelState.AddModelError("varify", "Successfully Loged In...");
            return View();
        }
    }
    return View();
}
}

```

### **Register.cshtml**

@model Register\_Login.Models.UserModel

```

@{
    ViewBag.Title = "Register";
}

<h2>Register</h2>
<html>
<body>
    <div class="navbar navbar-inverse navbar-fixed-top">
        <div class="navbar-collapse collapse">
            <ul class="nav navbar-nav">
                <li>
                    @Html.ActionLink("Register", "Register", "Home", null, null)
                </li>
                <li>
                    @Html.ActionLink("Login", "Login", "Home", null, null)
                </li>
            </ul>
        </div>
    </div>
    @using (Html.BeginForm("Register", "Home", FormMethod.Post))
    {
        <table border="1">
            <tr>
                <td>User Id : </td>
                <td>
                    @Html.TextBoxFor(model => model.id)
                </td>
            </tr>
            <tr>
                <td>Name : </td>
                <td>
                    @Html.TextBoxFor(model => model.Name)
                </td>
            </tr>
            <tr>
                <td>Password : </td>
                <td>
                    @Html.PasswordFor(model => model.Password)
                </td>
            </tr>
            <tr>
                <td>Phone : </td>
                <td>
                    @Html.TextBoxFor(model => model.Phone)
                </td>
            </tr>
        </table>
    }
}

```

```

        </tr>
        <tr>
            <td>City : </td>
            <td>
                @Html.TextBoxFor(model => model.City)
            </td>
        </tr>
        <tr>
            <td colspan="2" style="text-align:center">
                <input type="submit" value="Register" />
            </td>
        </tr>
    </table>
    }
</body>
</html>

```

### **Login.cshtml**

```
@model Register_Login.Models.LoginModel
```

```
@{
    ViewBag.Title = "Login";
}
```

```

<h2>Login</h2>
<html>
<body>
    <div class="navbar navbar-inverse navbar-fixed-top">
        <div class="navbar-collapse collapse">
            <ul class="nav navbar-nav">
                <li>
                    @Html.ActionLink("Register", "Register", "Home", null, null)
                </li>
                <li>
                    @Html.ActionLink("Login", "Login", "Home", null, null)
                </li>
            </ul>
        </div>
    </div>
    @using (Html.BeginForm("Login", "Home", FormMethod.Post))
    {
        <table border="1">
            <tr>
                <td>UserName : </td>
                <td>
                    @Html.TextBoxFor(model => model.Name)
                </td>
            </tr>
        </table>
    }

```

```

</tr>

<tr>
    <td>Password : </td>
    <td>
        @Html.PasswordFor(model => model.Password)
    </td>
</tr>

<tr>
    <td colspan="2" style="text-align:center">
        <input type="submit" value="Login" />
    </td>
</tr>
<tr>
    <td colspan="2" style="text-align:center">
        @Html.ValidationMessage("Error", null, new { @class = "text text-
danger" })
    </td>
</tr>
<tr>
    <td colspan="2" style="text-align:center">
        @Html.ValidationMessage("varify", null, new { @class = "text text-
success" })
    </td>
</tr>
</table>
}
</body>
</html>

```

### **LoginModel.cs**

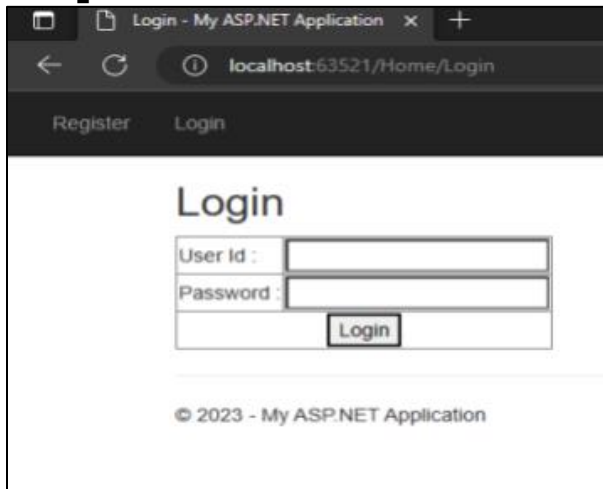
```

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

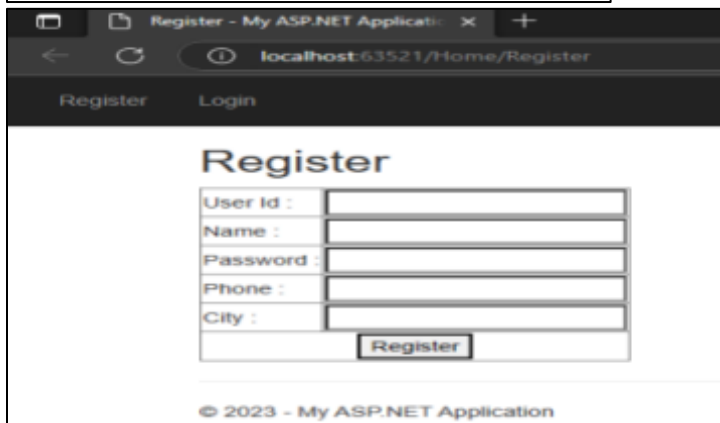
namespace Register_Login.Models
{
    public class LoginModel
    {
        public string Name { get; set; }
        public string Password { get; set; }
    }
}

```

## Output:



The screenshot shows a web browser window with the title "Login - My ASP.NET Application". The address bar displays "localhost:63521/Home/Login". A dark navigation bar at the top contains the links "Register" and "Login". The main content area features the heading "Login" in a large, bold font. Below the heading is a form with two input fields: "User Id :" and "Password :". A "Login" button is positioned to the right of the "Password" field. At the bottom of the page, a copyright notice reads "© 2023 - My ASP.NET Application".



The screenshot shows a web browser window with the title "Register - My ASP.NET Application". The address bar displays "localhost:63521/Home/Register". A dark navigation bar at the top contains the links "Register" and "Login". The main content area features the heading "Register" in a large, bold font. Below the heading is a form with five input fields: "User Id :", "Name :", "Password :", "Phone :", and "City :". A "Register" button is positioned to the right of the "City" field. At the bottom of the page, a copyright notice reads "© 2023 - My ASP.NET Application".

## 8. Create a website and create a master page and three different webforms.

### site1.master:-

```
<%@ Master Language="C#" AutoEventWireup="true"
CodeBehind="Site1.master.cs" Inherits="WebApplication2.Site1" %>
<!DOCTYPE html>
<html>
<head runat="server">
<title></title>
<asp:ContentPlaceHolder ID="head" runat="server">
</asp:ContentPlaceHolder>
<style type="text/css">
    .auto-style1 {
        width: 272px;
    }
    .auto-style2 {
        height: 48px;
    }
    .auto-style3 {
        height: 120px;
    }
    .auto-style4 {
        width: 272px;
        height: 120px;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <table border="1">
            <tr><td>Company Logo</td><td class="auto-
style1"><center>Company Name</center></td></tr>
            <tr><td class="auto-style3"><ul><li><a
href="/home.aspx">Home</a></li><li><a
href="/Contact.aspx">Contact</a></li>
<li><a href="/about.aspx">About</a></li></ul></td>
            <td colspan=""><td class="auto-style4"><div>
                <asp:ContentPlaceHolder ID="ContentPlaceHolder1"
runat="server">
                </asp:ContentPlaceHolder>
            </div></td></tr><tr><td colspan="2" class="auto-
style2"><center>Footer</center></td></tr>
        </table>
    </form>
```



```
</body>
```

```
</html>
```

### **webform1.aspx:-**

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
```

```
AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
```

```
Inherits="WebApplication2.WebForm1" %>
```

```
    <asp:Content ID="Content1" ContentPlaceHolderID="head"
```

```
        runat="server">
```

```
    </asp:Content>
```

```
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
```

```
runat="server">
```

```
<h1>Registration Form</h1>
```

```
    <table>
```

```
        <tr><td>Name</td><td><input type="text" /></td></tr>
```

```
        <tr><td>Address</td><td><input type="text" /></td></tr>
```

```
        <tr><td>Email</td><td><input type="email" /></td></tr>
```

```
        <tr><td>Date of Birth</td><td><input type="date" /></td></tr>
```

```
        <tr><td>Branch</td><td><input type="text" /></td></tr>
```

```
        <tr><td colspan="2"><center><input type="submit"
```

```
        /></center></td></tr>
```

```
    </table>
```

```
</asp:Content>
```

### **contact.aspx:-**

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
```

```
AutoEventWireup="true" CodeBehind="contact.aspx.cs"
```

```
Inherits="WebApplication2.Views.WebForm1" %>
```

```
    <asp:Content ID="Content1" ContentPlaceHolderID="head"
```

```
        runat="server">
```

```
    </asp:Content>
```

```
<asp:Content ID="Content2"
```

```
ContentPlaceHolderID="ContentPlaceHolder1" runat="server"> <h3>this
```

```
is contact page</h3>
```

```
</asp:Content>
```

### **about.aspx:-**

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
```

```
AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"
```

```
Inherits="WebApplication2.WebForm2" %>
```

```
    <asp:Content ID="Content1" ContentPlaceHolderID="head"
```

```
        runat="server">
```

```
    </asp:Content>
```

```
<asp:Content ID="Content2"
```

```
ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
```

```
<h3>this is about page</h3>
```

```
</asp:Content>
```

## Output:

