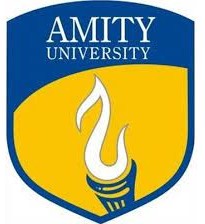


**Amity Institute of Information Technology**

|  |  |
| --- | --- |
| **Name** : | Vaibhavi Shashi Shivtarkar |
| Enrollment No : | A710145023012 |
| Programme: | MCA ( Semester IV) |
| **Course Name:** | Asp.Net Lab |
| **Subject Teacher** : | Dr. Ashwin Bhagat |

**AMITY UNIVERSITY MAHARASHTRA**

Established vide Maharashtra Act No. 13 of 20 14, of Government of Maharashtra, and recognized under Section 2(t) of UGC Act 1956

CERTIFICATE

This is to certify that Vaibhavi Shashi Shivtarkar Enrollment No. A710145023012 of class **MCA, Semester IV** has satisfactorily completed the Asp.Net Lab prescribed by Amity University Maharashtra during the academic year 2024-2025.

Sign of Faculty Sign of Dept.Coordinator

Name: Dr. Ashwin Bhagat Name:

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# Module I

* 1. **Write a console application that obtains four int values from the user and displays the product.**

## Program.cs

using System;

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

using System.Text;

namespace ConsoleApplication3

{

class Program

{

static void Main(string[] args)

{

MyClass x = new MyClass(); x.Election();

int a, b, c, d,e;

Console.WriteLine("Enter First Number :"); a = Convert.ToInt32(Console.ReadLine()); Console.WriteLine("Enter First Number :"); b = Convert.ToInt32(Console.ReadLine()); Console.WriteLine("Enter First Number :"); c = Convert.ToInt32(Console.ReadLine()); Console.WriteLine("Enter First Number :");

d = Convert.ToInt32(Console.ReadLine());

e = a + b + c + d;

Console.WriteLine("Practical No. 1");

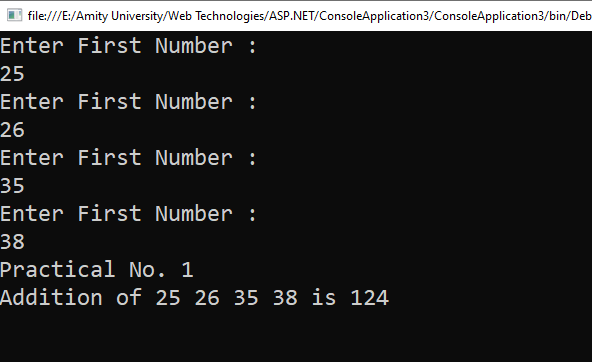
Console.WriteLine("Addition of " + a + " " + b + " " + c + " " + d + " is " + e); Console.ReadKey();

}

}

}

OUTPUT



# Module I

* 1. **Write programs using conditional statements and loops: generate Fibonacci series.**

## MyClass.cs

using System;

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

using System.Text;

namespace ConsoleApplication3

{

class MyClass

{

public void Election()

{

int age;

Console.WriteLine("Enter Your Age :"); age = 20;

if (age >= 18)

{

Console.WriteLine("You are Eligible to Vote!! :");

}

else

{

Console.WriteLine("You are NOT Eligible to Vote!! :");

}

}

}

}

## Program.cs

using System;

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

using System.Text;

namespace ConsoleApplication3

{

class Program

{

static void Main(string[] args)

{

MyClass x = new MyClass(); x.Election();

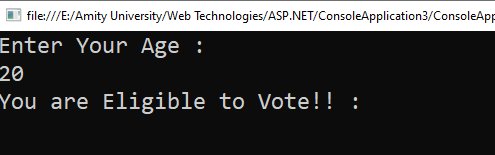
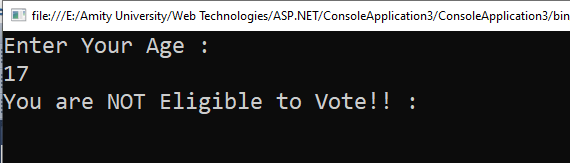
Console.ReadKey();

}

}

}

OUTPUT



## Student.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

public class Student

{

public void Grades()

{

int cpp, java, os, devop, linux; double total, per;

Console.WriteLine("Enter the Marks in C#: "); cpp = Convert.ToInt32(Console.ReadLine()); Console.WriteLine("Enter the Marks in Java: "); java = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the Marks in Operating System: "); os = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the Marks in devop: "); devop = Convert.ToInt32(Console.ReadLine()); Console.WriteLine("Enter the Marks in linux: "); linux = Convert.ToInt32(Console.ReadLine()); total = cpp + java + os + devop + linux;

per = total \* 100 / 500;

Console.WriteLine("The Percentage is :" + per); if (per >= 75)

{

Console.WriteLine("Your Grade is : DISTINCTION");

}

else if (per >= 60 CC per < 75)

{

Console.WriteLine("Your Grade is : First Class");

}

else if (per >= 50 CC per < 60)

{

Console.WriteLine("Your Grade is : Second Class");

}

else if (per >= 40 CC per < 50)

{

Console.WriteLine("Your Grade is : Pass Class");

}

else

{

Console.WriteLine("Your are Failed!!!");

}

}

}

}

## Program.cs

using System;

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

using System.Text;

namespace ConsoleApplication3

{

class Program

{

static void Main(string[] args)

{

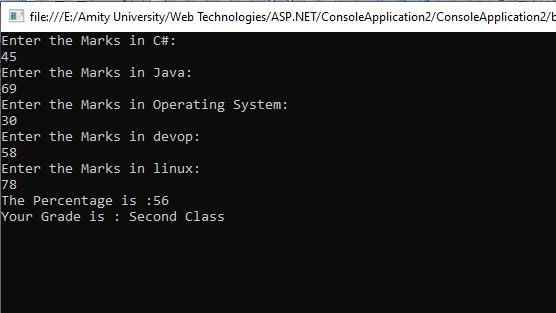
Student s = new Student(); s.Grades();

Console.ReadKey();

}

}}

**OUTPUT**

****

**Demonstrating Loops**

Test.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

public class Test

{

public void fibonacci()

{

int n1 = 0, n2 = 1, n3, i, number;

Console.Write("Enter the number of elements: "); number = int.Parse(Console.ReadLine());

Console.Write(n1 + " " + n2 + " "); //printing 0 and 1

for (i = 2; i < number; ++i) //loop starts from 2 because 0 and 1 are already printed

{

n3 = n1 + n2; Console.Write(n3 + " "); n1 = n2;

n2 = n3;

}

}

}

}

## Program.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

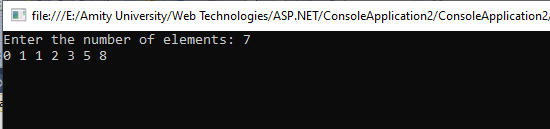
Test t = new Test(); t.fibonacci();

Console.ReadKey();

}

}}

**OUTPUT**

****

# Module I

* 1. **write a program using function overloading to swap two integer numbers and swap two float numbers.**

## OverloadingDemo.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

public class OverloadingDemo

{

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

{

int temp = a;

a = b;

b = temp;

}

public void Swap(ref float x, ref float y)

{

float temp = x; x = y;

y = temp;

}

}

}

## Program.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

// Swapping integers

OverloadingDemo o = new OverloadingDemo(); int x = 10, y = 20;

Console.WriteLine("Before swap: x = "+x + " y = " +y); o.Swap(ref x, ref y);

Console.WriteLine("After swap: x = "+x + " y = " +y);

// Swapping floats float a = 1.5f, b = 2.5f;

Console.WriteLine("Before swap: a = "+a + " b = " +b); o.Swap(ref a, ref b);

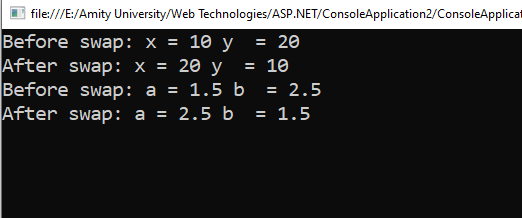
Console.WriteLine("After swap: a = " + a + " b = " + b); Console.ReadKey();

}

}

}

**OUTPUT**



# Module I

**1.4. Write a program to implement single inheritance from following figure. Accept and display data for one table.**

## Animal.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

public class Animal

{

public void Eat()

{

Console.WriteLine("Animal is eating.");

}

}

public class Dog:Animal

{

public void Bark()

{

Console.WriteLine("Dog is barking.");

}

}

public class Mammal : Animal

{

public void Run()

{

Console.WriteLine("Mammal is running.");

}

}

public class Horse : Mammal

{

public void Gallop()

{

Console.WriteLine("Horse is galloping.");

}

}

public class Bird : Animal

{

public void Fly()

{

Console.WriteLine("Bird is flying.");

}

}

public class Eagle : Bird

{

public void Hunt()

{

Console.WriteLine("Eagle is hunting.");

}

}

public class Penguin : Bird

{

public void Swim()

{

Console.WriteLine("Penguin is swimming.");

}

}

}

## Program.cs

using System;

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

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

//INHERITANCE\*\*

// single inheritance Dog dog = new Dog(); dog.Eat();

dog.Bark();

// multi-level inheritance Horse horse = new Horse(); horse.Eat();

horse.Run(); horse.Gallop();

// hierarchical inheritance Eagle eagle = new Eagle();

Penguin penguin = new Penguin(); eagle.Fly();

eagle.Hunt(); penguin.Fly(); penguin.Swim();

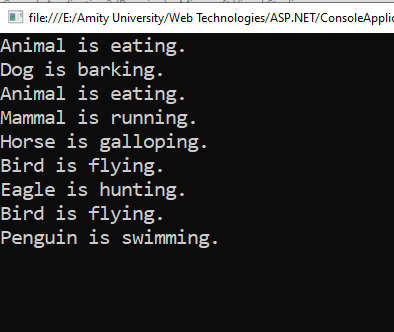
Console.ReadKey();

}

}

}

**OUTPUT**

****

# Module II

* 1. **Define a class ‘salary’ which will contain member variable basic, ta, da, hra. Write a program using constructor with default values for da and hra and calculate the salary of an Employee.**

**ConstDemo.cs**

using System;

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

using System.Text;

namespace ConsoleApplication2

{

public class ConstDemo

{

double basic, ta, da, hra; double total;

public ConstDemo()

{

basic = 4000.00;

ta = 5000.00;

da = 2500.50;

hra = 3000;

}

public void Salary()

{

total = basic + ta + da + hra;

Console.WriteLine("Your Final Salary is "+ total);

}

}

}

**Program.cs**

using System;

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

using System.Text;

namespace ConsoleApplication2

{

class Program

{

static void Main(string[] args)

{

//\*CONSTRUCTOR DEMO\* ConstDemo c = new ConstDemo();

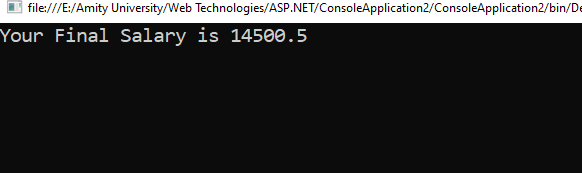
c.Salary(); Console.ReadKey();

}

}

}

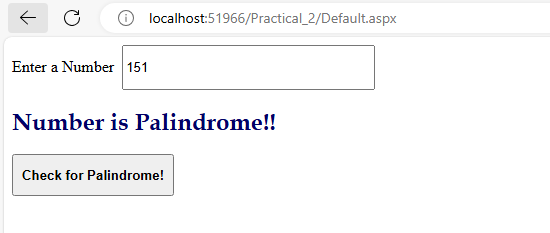
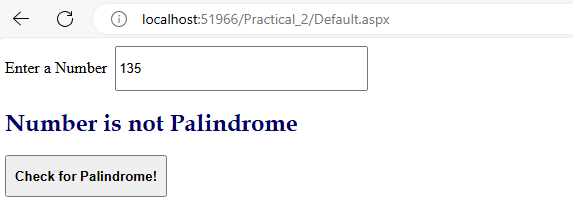
**OUTPUT**



# Module II

* 1. **Create an application that allows the user to enter a number in the textbox named ‘getnum’. Check whether the number in the textbox ‘getnum’ is palindrome or not. Print the message accordingly in the label control named lbldisplay when the user clicks on the button ‘check’.**

**OUTPUT**



**Default.aspx**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" ["http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)">

<html xmlns[="http://www.w3.org/1999/xhtml">](http://www.w3.org/1999/xhtml)

<head runat="server">

<title></title>

</head>

<body>

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

<div>

Enter a NumberCnbsp;

<asp:TextBox ID="getnum" runat="server" Height="39px"

ontextchanged="getnum\_TextChanged" Width="245px"></asp:TextBox>

<br />

<br />

<asp:Label ID="lbldisplay" runat="server" Font-Bold="True"

Font-Names="Book Antiqua" Font-Size="X-Large" ForeColor="#000066"></asp:Label>

<br />

<br />

<asp:Button ID="Button1" runat="server" Font-Bold="True" Height="42px" onclick="Button1\_Click" Text="Check for Palindrome!" Width="162px" />

</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)

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

int n,r,sum=0,temp;

n = int.Parse(getnum.Text); temp=n;

while(n>0)

{

r=n%10;

sum=(sum\*10)+r; n=n/10;

}

if(temp==sum)

lbldisplay.Text="Number is Palindrome!!"; else

lbldisplay.Text="Number is not Palindrome";

}

protected void getnum\_TextChanged(object sender, EventArgs e)

{

}

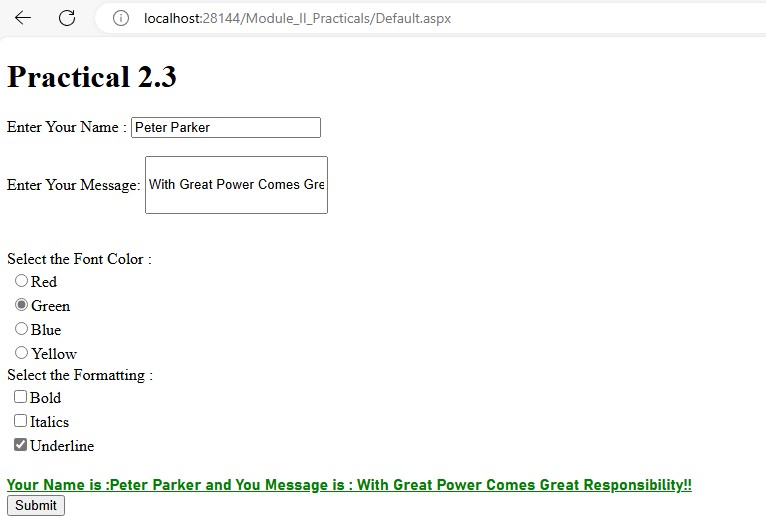
}

# Module II

* 1. **Create an application which will ask the user to input his name and a message, display the two items concatenated in a label, and**

**change the format of the label using radio buttons and check boxes for selection , the user can make the label text bold ,underlined or italic and change its color. Include buttons to display the message in the label, clear the text boxes and label and exit.**

**OUTPUT**



**Default.aspx**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" ["http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)">

<html xmlns[="http://www.w3.org/1999/xhtml">](http://www.w3.org/1999/xhtml)

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<h1>Practical 2.3</h1>

Enter Your Name : <asp:TextBox ID="txtName" runat="server" Width="182px"></asp:TextBox>

<br />

<br />

Enter Your Message:

<asp:TextBox ID="txtMsg" runat="server" Height="52px" Width="175px"></asp:TextBox>

<br />

<br />

<br />

Select the Font Color :

<asp:RadioButtonList ID="RadioButtonList1" runat="server" AutoPostBack="true" onselectedindexchanged="RadioButtonList1\_SelectedIndexChanged">

<asp:ListItem>Red</asp:ListItem>

<asp:ListItem>Green</asp:ListItem>

<asp:ListItem>Blue</asp:ListItem>

<asp:ListItem Value="Y">Yellow</asp:ListItem>

</asp:RadioButtonList>

Select the Formatting :<br />

<asp:CheckBoxList ID="CheckBoxList1" runat="server" AutoPostBack="true" onselectedindexchanged="CheckBoxList1\_SelectedIndexChanged">

<asp:ListItem Value="B">Bold</asp:ListItem>

<asp:ListItem Value="I">Italics</asp:ListItem>

<asp:ListItem Value="U">Underline</asp:ListItem>

</asp:CheckBoxList>

<br />

<asp:Label ID="lblmsg" runat="server" Font-Bold="True" Font-Names="Bahnschrift" ForeColor="#660066"></asp:Label>

<br />

<asp:Button ID="btnSubmit" Text="Submit" runat="server" onclick="btnSubmit\_Click" />

</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)

{

}

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

{

lblmsg.Text = "Your Name is :"+txtName.Text + " and You Message is : " + txtMsg.Text;

}

protected void RadioButtonList1\_SelectedIndexChanged(object sender, EventArgs e)

{

if (RadioButtonList1.SelectedValue == "Red")

{

lblmsg.ForeColor = System.Drawing.Color.Red;

}

else if (RadioButtonList1.SelectedValue == "Green")

{

lblmsg.ForeColor = System.Drawing.Color.Green;

}

if (RadioButtonList1.SelectedValue == "Blue")

{

lblmsg.ForeColor = System.Drawing.Color.Blue;

}

if (RadioButtonList1.SelectedValue == "Y")

{

lblmsg.ForeColor = System.Drawing.Color.Yellow;

}

}

protected void CheckBoxList1\_SelectedIndexChanged(object sender, EventArgs e)

{

if (CheckBoxList1.SelectedValue == "B")

{

lblmsg.Font.Bold = true;

}

else if (CheckBoxList1.SelectedValue == "I")

{

lblmsg.Font.Italic = true;

}

else if (CheckBoxList1.SelectedValue == "U")

{

lblmsg.Font.Underline = true;

}

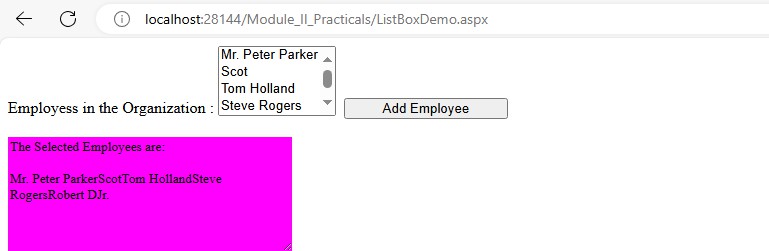
}

}

# Module II

* 1. **List of employees is available in listbox. Write an application to add selected or all records from listbox (assume multi-line property of textbox is true)..**

**OUTPUT**



**ListBoxDemo.aspx**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" ["http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)">

<html xmlns[="http://www.w3.org/1999/xhtml">](http://www.w3.org/1999/xhtml)

<head runat="server">

<title></title>

<style runat="server" type="text/css" >

.text

{

background-color:Fuchsia; border:10px;

font-family:Arabic Transparent;

}

</style>

</head>

<body>

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

<div>

Employess in the Organization :

<asp:ListBox ID="ListBox1" runat="server">

<asp:ListItem>Mr. Peter Parker</asp:ListItem>

<asp:ListItem>Scot</asp:ListItem>

<asp:ListItem>Tom Holland</asp:ListItem>

<asp:ListItem>Steve Rogers</asp:ListItem>

<asp:ListItem>Robert DJr.</asp:ListItem>

</asp:ListBox>

Cnbsp;<asp:Button ID="btnEmp" runat="server" onclick="btnEmp\_Click" Text="Add Employee" Width="164px" />

<br />

<br />

<asp:TextBox ID="TextBox1" class="text" runat="server" Height="110px" TextMode="MultiLine"

Width="280px"></asp:TextBox>

</div>

</form>

</body>

</html>

**ListBoxDemo.aspx.cs**

using System;

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

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; using System.Text;

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

{

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

{

}

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

{

StringBuilder a = new StringBuilder();

a.Append("The Selected Employees are:\r\n\r\n"); foreach (var item in ListBox1.Items)

{

a.Append(item.ToString());

}

TextBox1.Text = a.ToString();

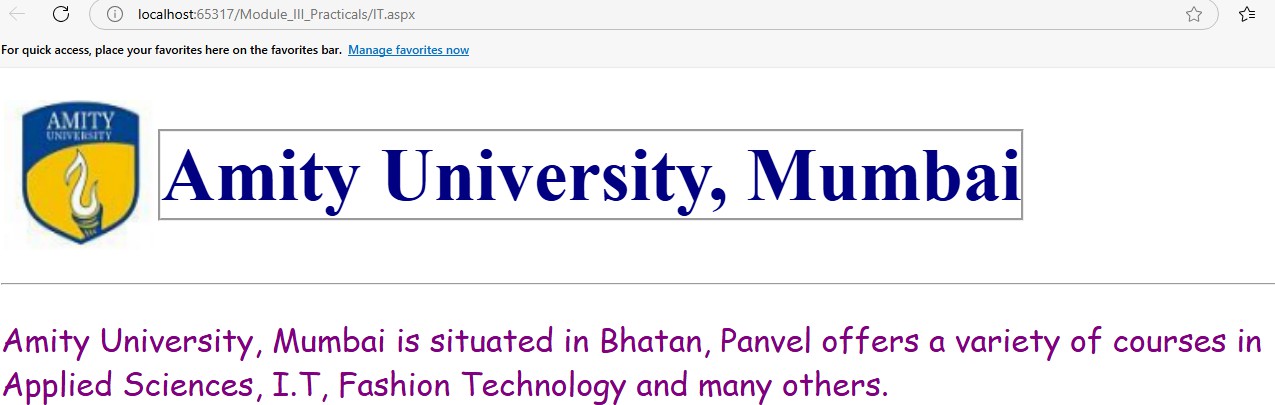
}

}

# Module III

**3.1. Apply internal/external CSS to a webpage in ASP.Net.**

**OUTPUT**



**ListBoxDemo.aspx**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" ["http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)">

<html xmlns[="http://www.w3.org/1999/xhtml">](http://www.w3.org/1999/xhtml)

<head runat="server">

<title></title>

<style runat="server" type="text/css" >

.text

{

background-color:Fuchsia; border:10px;

font-family:Arabic Transparent;

}

</style>

</head>

<body>

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

<div>

Employess in the Organization :

<asp:ListBox ID="ListBox1" runat="server">

<asp:ListItem>Mr. Peter Parker</asp:ListItem>

<asp:ListItem>Scot</asp:ListItem>

<asp:ListItem>Tom Holland</asp:ListItem>

<asp:ListItem>Steve Rogers</asp:ListItem>

<asp:ListItem>Robert DJr.</asp:ListItem>

</asp:ListBox>

Cnbsp;<asp:Button ID="btnEmp" runat="server" onclick="btnEmp\_Click" Text="Add Employee" Width="164px" />

<br />

<br />

<asp:TextBox ID="TextBox1" class="text" runat="server" Height="110px" TextMode="MultiLine"

Width="280px"></asp:TextBox>

</div>

</form>

</body>

</html>

**ListBoxDemo.aspx.cs**

using System;

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

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; using System.Text;

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

{

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

{

}

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

{

StringBuilder a = new StringBuilder();

a.Append("The Selected Employees are:\r\n\r\n"); foreach (var item in ListBox1.Items)

{

a.Append(item.ToString());

}

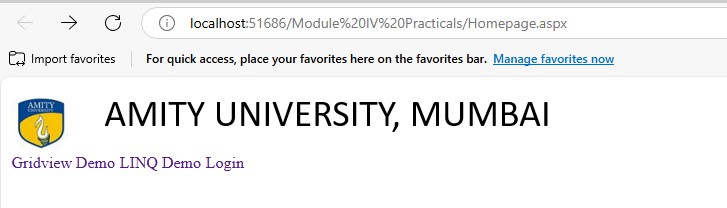
TextBox1.Text = a.ToString();

}

}

# Module IV

* 1. **Programs using asp.net server controls. Create 15% a website for a bank and include types of navigation. OUTPUT**



## Homepage.aspx

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" ["http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)">

<html xmlns[="http://www.w3.org/1999/xhtml">](http://www.w3.org/1999/xhtml)

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<asp:Image runat="server" ID="logo" ImageUrl="~/amityUniversity.PNG" />

</div>

<div>

<asp:Menu ID="Menu1" runat="server" Orientation="Horizontal" PathSeparator="|">

<Items>

<asp:MenuItem

NavigateUrl="~/GridviewDemo.aspx" Text="Gridview Demo" Value="Gridview Demo">

</asp:MenuItem>

<asp:MenuItem NavigateUrl="~/Login.aspx" Text="LINQ Demo" Value="LINQ Demo">

</asp:MenuItem>

<asp:MenuItem NavigateUrl="~/Login.aspx" Text="Login" Value="Login">

</asp:MenuItem>

</Items>

</asp:Menu>

</div>

</form>

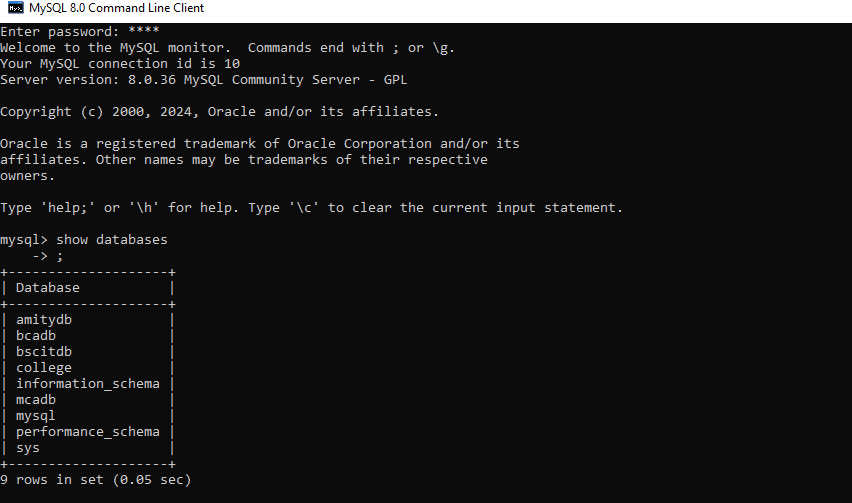
</body>

</html>

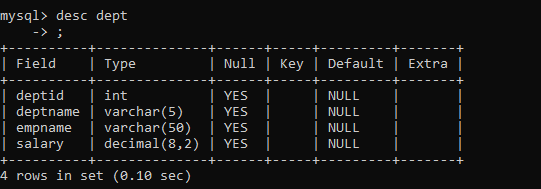
# Module IV

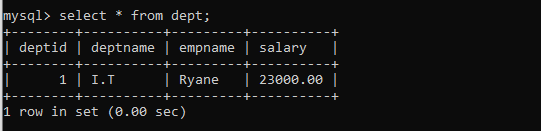
* 1. **Database programs with asp.net and ado.net. Create a web app to display all the empname and deptid of the employee from the database using sql source control and bind it to gridview Database**

**fields are(deptid, deptname, empname, salary)..**

* + 1. **To insert data in a MYSQL table, we need to first login in mysql. Here the login credentials are username=root and password=root.**
    2. **Login into MYSQL database using the root as password.**
    3. **Create a table dept in MYSQL using the following details.**

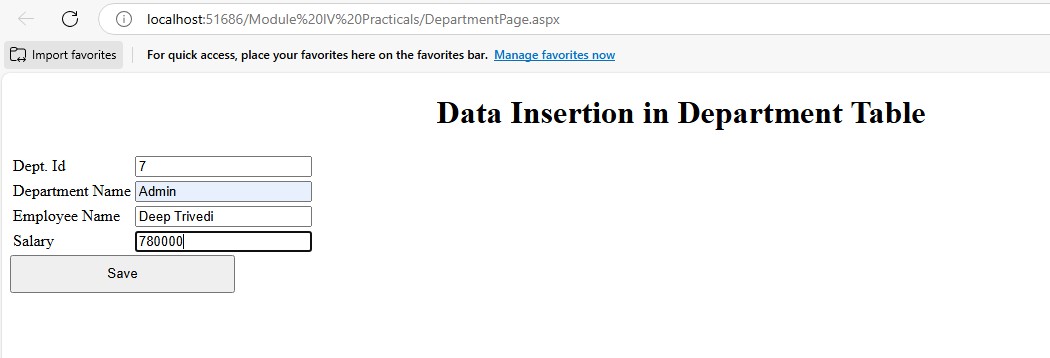
***create table dept(deptid int, deptname varchar(10), empname varchar(20), salary decimal(8,2));***



******

* + 1. **Create a Webform in Visual Studio to insert data from the front end to MYSQL server. The webform in this practical is named as DepartmentPage. aspx.**

**DepartmentPage. aspx.**



**DepartmentPage. aspx.**

<%@ Page Language="C#" AutoEventWireup="true"

CodeFile="DepartmentPage.aspx.cs" Inherits="DepartmentPage" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" ["http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)">

<html xmlns="[http://www.w3.org/1999/xhtml"](http://www.w3.org/1999/xhtml)>

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<h1> <center>Data Insertion in Department Table</center></h1>

<table>

<tr>

<td>

Dept. Id

</td>

<td>

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

</td>

</tr>

<tr>

<td>

Department Name

</td>

<td>

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

</td>

</tr>

<tr>

<td>

Employee Name

</td>

<td>

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

</td>

</tr>

<tr>

<td>

Salary

</td>

<td>

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

</td>

</tr>

</table>

<asp:Button ID="btnSave" runat="server" Text="Save" Height="38px" onclick="btnSave\_Click" Width="225px" />

</div>

</form>

</body>

</html>

**DepartmentPage. aspx.cs**

using System;

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

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; using MySql.Data.Common;

using MySql.Data.MySqlClient; using System.Data.SqlClient; using System.Data;

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

{

String MyConString = "SERVER=localhost;" + "DATABASE=bcadb;" +

"UID=root;" +

"PASSWORD=root;";

String str;

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

{

}

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

{

MySqlConnection conn = new MySqlConnection(MyConString); MySqlCommand cmd = new MySqlCommand();

conn.Open();

str = "insert into Dept values ('" + Convert.ToInt32(txtDID.Text) + "','" + txtDName.Text + "','" + txtEName.Text + "','" +

Convert.ToDecimal(txtSalary.Text) + "')"; cmd = new MySqlCommand(str, conn); cmd.ExecuteNonQuery();

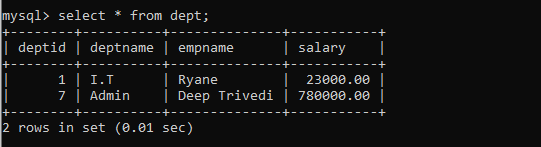
Response.Write("Record Inserted Successfully!!!");

}

}

**OUTPUT**

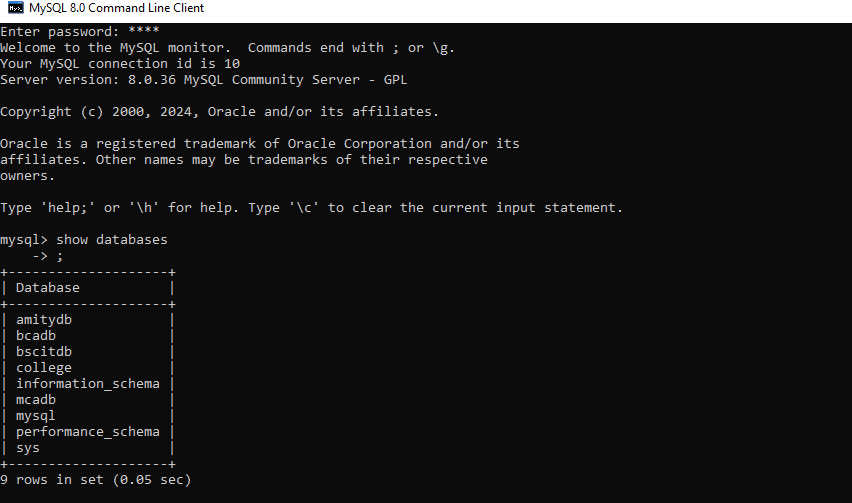




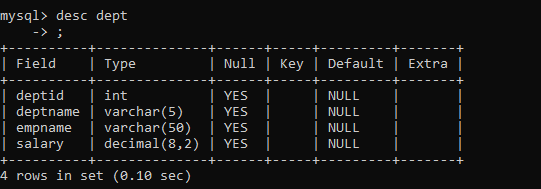
# Module IV

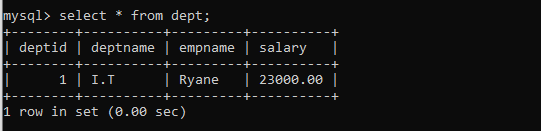
* 1. **Database programs with asp.net and ado.net. Create a login module which adds username and password in the database.**

**Username in the database should be a primary key.**

* + 1. **To insert data in a MYSQL table, we need to first login in mysql. Here the login credentials are username=root and password=root.**
    2. **Login into MYSQL database using the root as password.**
    3. **Create a table dept in MYSQL using the following details.**

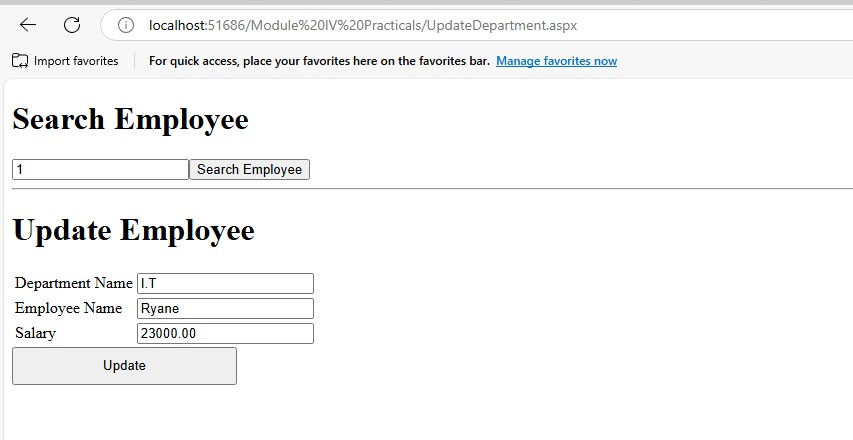
***create table dept(deptid int, deptname varchar(10), empname varchar(20), salary decimal(8,2));***



******

* + 1. **Create a Webform in Visual Studio to insert data from the front end to MYSQL server. The webform in this practical is named as UpdateDepartment.aspx.cs**

**UpdateDepartment.aspx.cs.**



**UpdateDepartment.aspx.cs**

using System;

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

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; using MySql.Data.Common;

using MySql.Data.MySqlClient; using System.Data.SqlClient; using System.Data;

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

{

string constr = "SERVER=localhost;" + "DATABASE=bcadb;" +

"UID=root;" +

"PASSWORD=root;";

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

{

}

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

{

// string constr =

ConfigurationManager.ConnectionStrings["constr"].ConnectionString;

using (MySqlConnection con = new MySqlConnection(constr))

{

using (MySqlCommand cmd = new MySqlCommand("SELECT \* from Dept where deptid=" + Convert.ToInt32(txtSEmp.Text)))

{

cmd.CommandType = CommandType.Text; cmd.Connection = con;

con.Open();

using (MySqlDataReader sdr = cmd.ExecuteReader())

{

sdr.Read();

txtDName.Text = sdr["deptname"].ToString(); txtEName.Text = sdr["empname"].ToString(); txtSalary.Text = sdr["salary"].ToString();

}

con.Close();

}

}

}

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

{

MySqlConnection conn = new MySqlConnection(constr); MySqlCommand cmd = new MySqlCommand(); conn.Open();

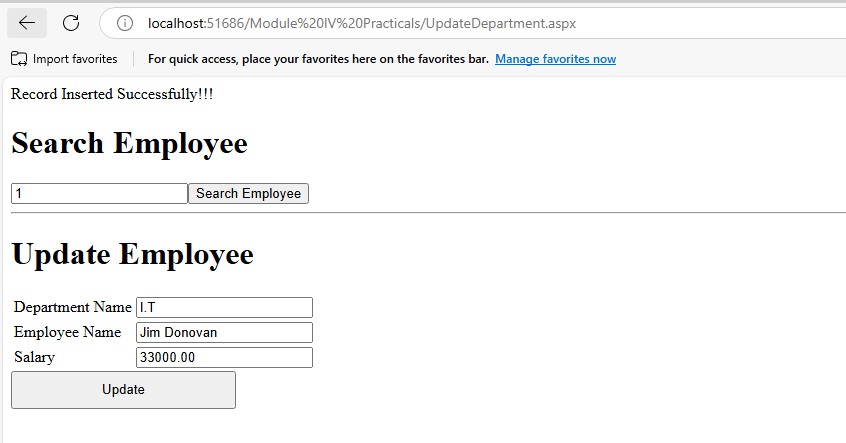
String str = "Update Dept set deptname='" + txtDName.Text + "',empname='" + txtEName.Text + "',salary='" +txtSalary.Text+"'";

cmd = new MySqlCommand(str, conn); cmd.ExecuteNonQuery();

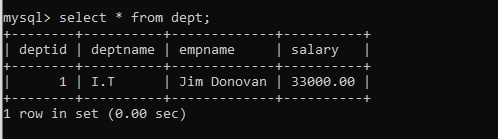
Response.Write("Record Inserted Successfully!!!");

}

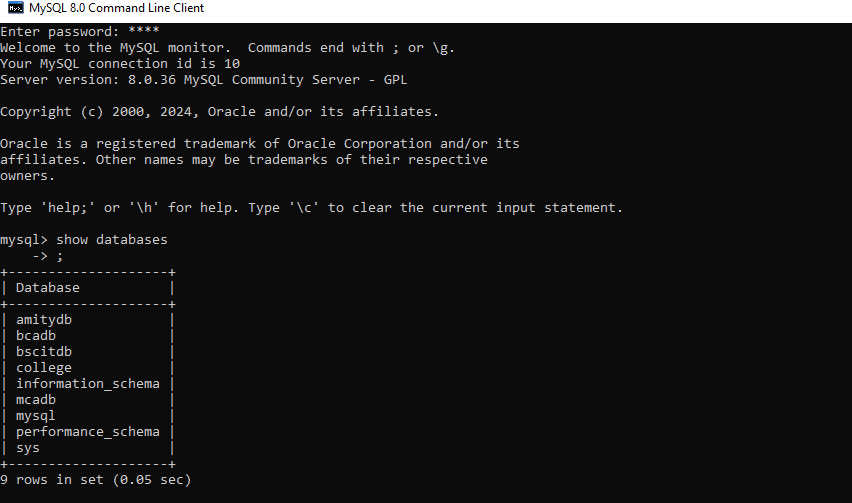
}



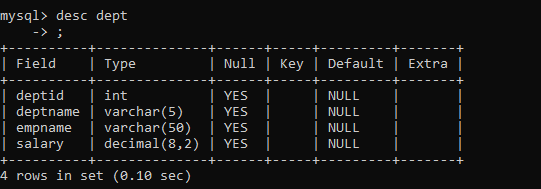
* + 1. **Record successfully updated in the table.**

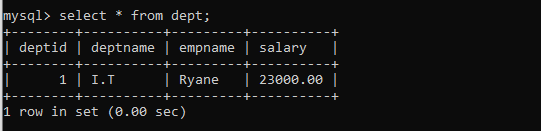
****

# Module IV

* 1. **Database programs with asp.net and ado.net create a web application to insert 3 records inside the sql database table having following fields( deptid, deptname, empname, salary). Update the salary for any one employee and increment it to 15% of the present salary. Perform delete operation on 1 row of the database table**
     1. **To insert data in a MYSQL table, we need to first login in mysql. Here the login credentials are username=root and password=root.**
     2. **Login into MYSQL database using the root as password.**
     3. **Create a table dept in MYSQL using the following details.**

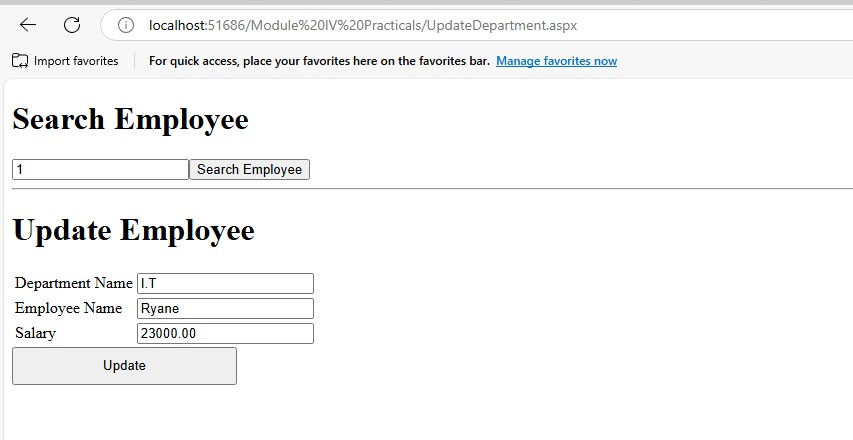
***create table dept(deptid int, deptname varchar(10), empname varchar(20), salary decimal(8,2));***



******

* + 1. **Create a Webform in Visual Studio to insert data from the front end to MYSQL server. The webform in this practical is named as UpdateDepartment.aspx.cs**

**UpdateDepartment.aspx.cs.**



**UpdateDepartment.aspx.cs**

using System;

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

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; using MySql.Data.Common;

using MySql.Data.MySqlClient; using System.Data.SqlClient; using System.Data;

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

{

string constr = "SERVER=localhost;" + "DATABASE=bcadb;" +

"UID=root;" +

"PASSWORD=root;";

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

{

}

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

{

// string constr =

ConfigurationManager.ConnectionStrings["constr"].ConnectionString;

using (MySqlConnection con = new MySqlConnection(constr))

{

using (MySqlCommand cmd = new MySqlCommand("SELECT \* from Dept where deptid=" + Convert.ToInt32(txtSEmp.Text)))

{

cmd.CommandType = CommandType.Text; cmd.Connection = con;

con.Open();

using (MySqlDataReader sdr = cmd.ExecuteReader())

{

sdr.Read();

txtDName.Text = sdr["deptname"].ToString(); txtEName.Text = sdr["empname"].ToString(); txtSalary.Text = sdr["salary"].ToString();

}

con.Close();

}

}

}

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

{

MySqlConnection conn = new MySqlConnection(constr); MySqlCommand cmd = new MySqlCommand(); conn.Open();

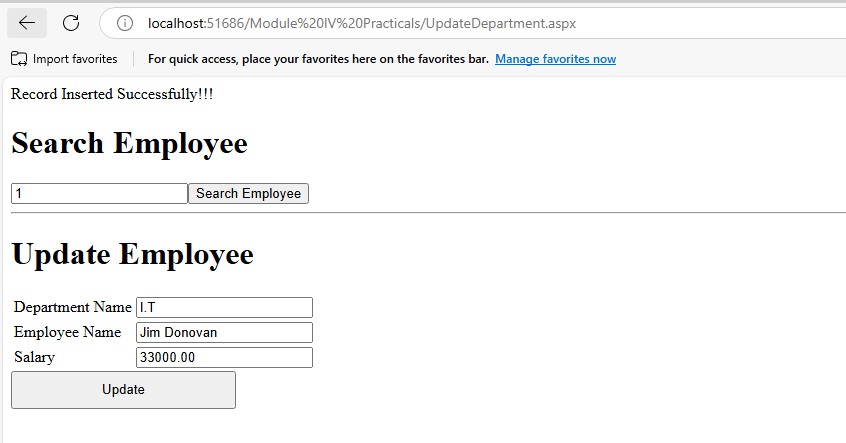
String str = "Update Dept set deptname='" + txtDName.Text + "',empname='" + txtEName.Text + "',salary='" +txtSalary.Text+"'";

cmd = new MySqlCommand(str, conn); cmd.ExecuteNonQuery();

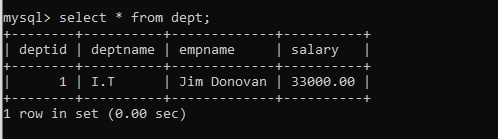
Response.Write("Record Inserted Successfully!!!");

}

}



* + 1. **Record successfully updated in the table.**

****

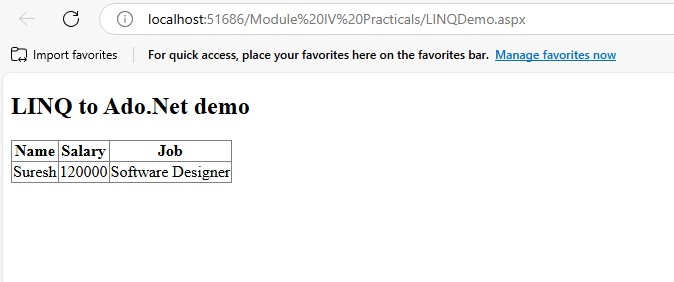
# Module V

* + - 1. **Programs using language integrated query. Create the table with the given fields.**

**Field name data type Empno number empname varchar empsal number Empjob varchar empdeptno number**

**For the given table design a web page to display the employee information from table to grid control. Use linq to ado.net.**

**OUTPUT**



**LINQDemo.aspx.cs**

using System;

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

using System.Web; using System.Web.UI;

using System.Web.UI.WebControls; using MySql.Data.Common;

using MySql.Data.MySqlClient; using System.Data.SqlClient; using System.Data;

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

{

String MyConString="SERVER=localhost;DATABASE=bcadb;UID=root;PASSWORD=root;";

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

{

if (!Page.IsPostBack)

{

BindGridView();

}

}

public void BindGridView()

{

try

{

DataSet ds = new DataSet();

using (MySqlConnection con = new MySqlConnection(MyConString))

{

con.Open();

MySqlCommand cmd = new MySqlCommand("select \* from EMP", con); cmd.CommandType = CommandType.Text;

MySqlDataAdapter da = new MySqlDataAdapter(cmd);

da.Fill(ds);

// DataTable dt2=ds.Tables["employee"];

con.Close();

if (ds.Tables[0].Rows.Count > 0)

{

var result = from dt in ds.Tables[0].AsEnumerable() where (dt.Field<string>("EmpNo") == "1001") select new

{

Name = dt.Field<string>("Empname"), Salary = dt.Field<string>("EmpSalary"), Job = dt.Field<string>("Empjob"),

};

gvEmp.DataSource = result; gvEmp.DataBind();

}

}

}

catch (Exception exp)

{

lblMsg.Text = Convert.ToString(exp);

}

}

}