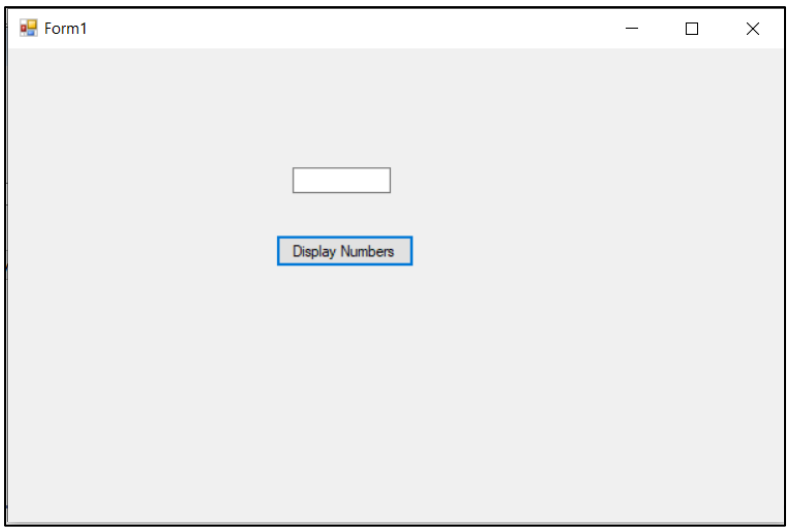
Slip 1:

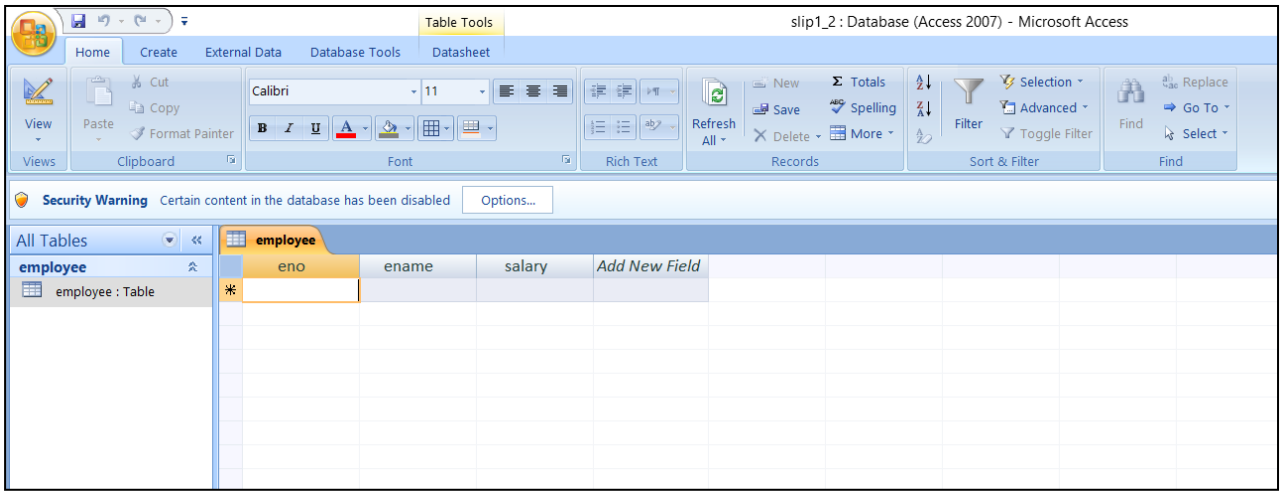
A) Write a VB.Net Program to display the numbers continuously in TextBox by clicking on Button.



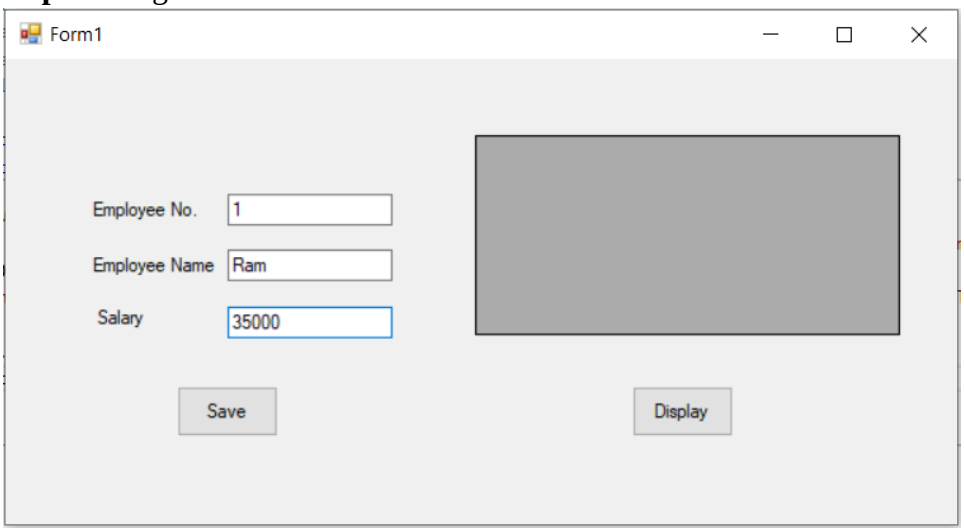

```
PublicClassForm1
PrivateSub Button1_Click(sender AsObject, e AsEventArgs) Handles Button1.Click
        TextBox1.Text = 1
        Timer1.Start()
EndSub

PrivateSub Timer1_Tick(sender AsObject, e AsEventArgs) Handles Timer1.Tick
        TextBox1.Text = TextBox1.Text + 1
EndSub
EndClass
```

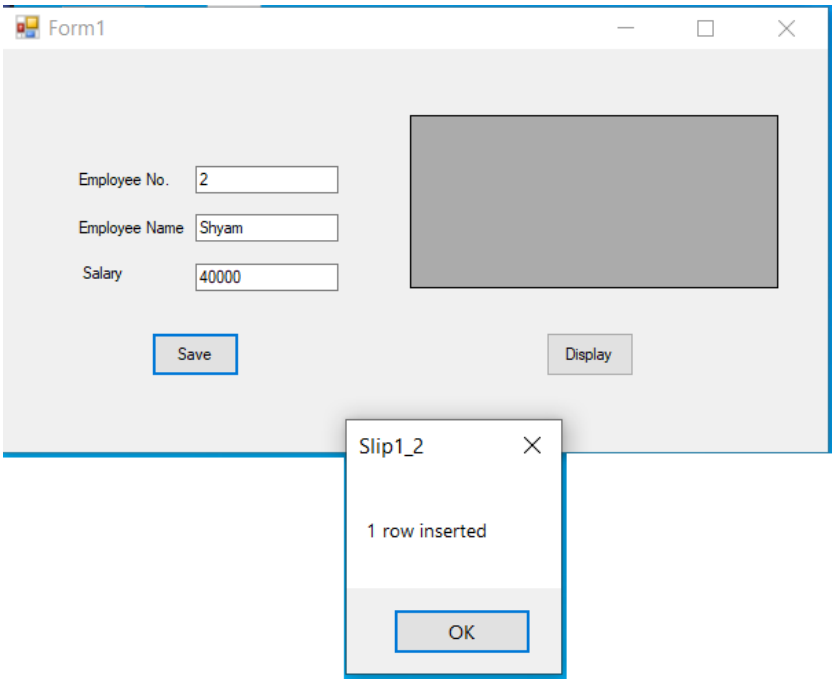
B) Write a VB.Net program to accept the details of Employee (ENO, EName Salary) and store it into the database and display it on gridview control.

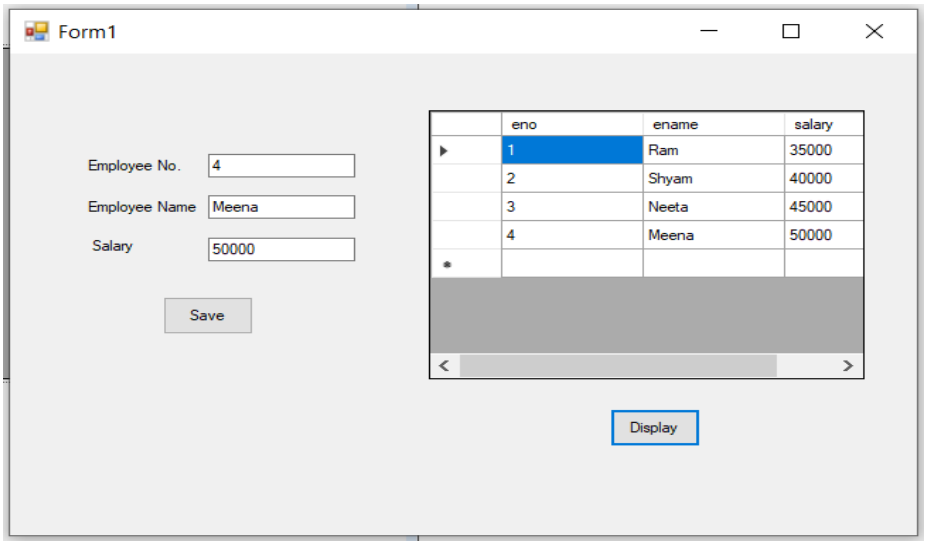
Step1: Create an empty table with employee



Step2: Design a Form





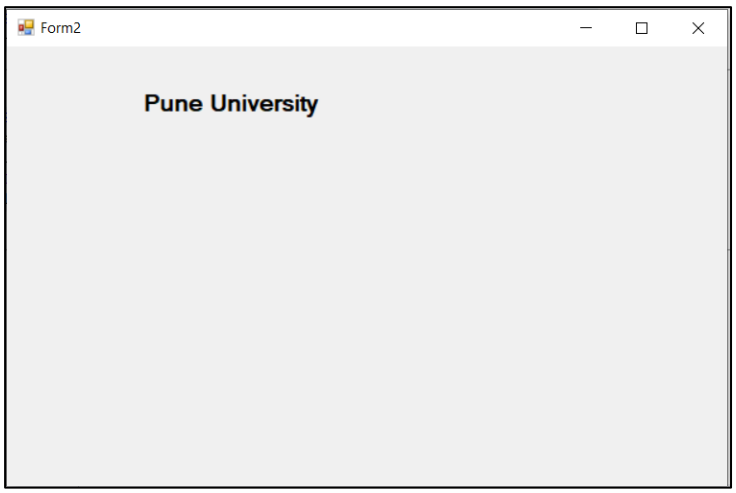


Step3: Write code on button click

```
Imports System.Data.OleDb
Public Class Form1
    Dim con As OleDbConnection
    Dim cmd As OleDbCommand
    Dim adpt As OleDbDataAdapter
    Dim ds As New DataSet
    Dim str1 As String
    Dim cnt As Integer
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        con = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\Lenovo\Documents\slip1_2.accdb")
        con.Open()
        str1 = "insert into employee values(" & CInt(TextBox1.Text) & ",'" & TextBox2.Text &
"','" & TextBox3.Text & "')"
        cmd = New OleDbCommand(str1, con)
        cnt = cmd.ExecuteNonQuery()
        MsgBox(cnt & " row inserted")
    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        cmd = New OleDbCommand("select * from employee ", con)
        adpt = New OleDbDataAdapter(cmd)
        adpt.Fill(ds, "emp")
        DataGridView1.DataSource = ds
        DataGridView1.DataMember = "emp"

    End Sub
End Class
```

Slip 2:

A) Write a Vb.Net program to move the Text "Pune University" continuously from Left to Right and Vice Versa.




```
PublicClassForm2
PrivateSub Form2_Load(sender AsObject, e AsEventArgs) HandlesMyBase.Load
        Timer1.Start()
EndSub

PrivateSub Timer1_Tick(sender AsObject, e AsEventArgs) Handles Timer1.Tick
If Label1.Left > 500 Then
            Label1.Left = 10
EndIf
        Label1.Left = Label1.Left + 10
EndSub
EndClass
```

B)Write a C#.Net program to create a base class Department and derived classes Sales and Human Resource. Accept the details of both departments and display them in proper format.

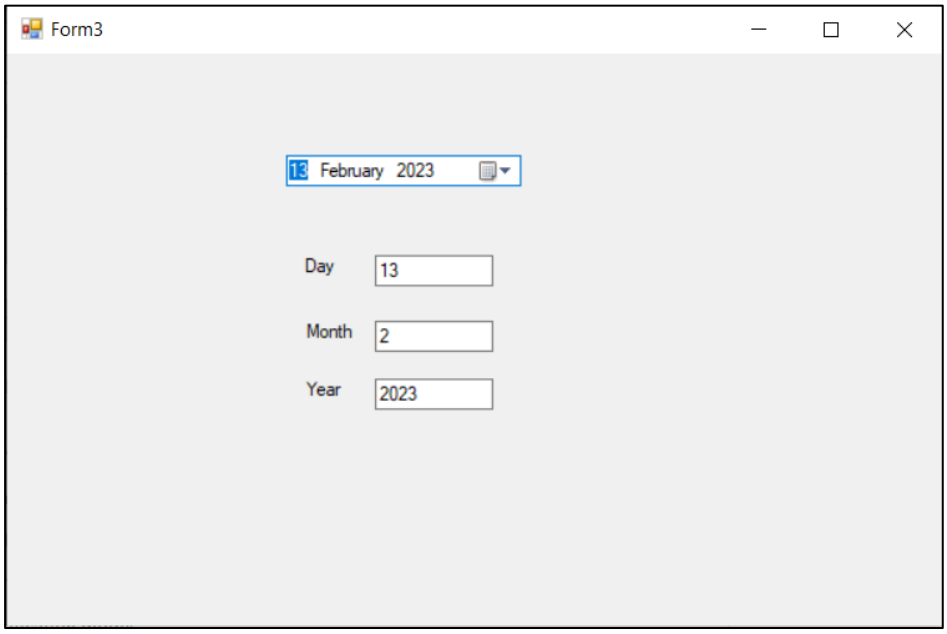
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Slip2_2
{
   class Dept
   {
      string cname;
      public void get_cname()
      {
```

```
        Console.Write("Enter Company Name: ");
        cname = Console.ReadLine();
    }
    public void display_cname()
    {
        Console.WriteLine("Company Name is : " + cname);
    }
}
class Sales : Dept
{
    int s_eno;
    string s_ename;
    public void get_sales()
    {
        Console.Write("Enter Eno: ");
        s_eno = Convert.ToInt32(Console.ReadLine());
        Console.Write("Enter EName: ");
        s_ename = Console.ReadLine();
    }
    public void display_sales()
    {
        Console.WriteLine("Eno is : " + s_eno);
        Console.WriteLine("Ename is : " + s_ename);
    }
}
class HR : Dept
{
    int hr_eno;
    string hr_ename;
    public void get_hr()
    {
        Console.Write("Enter Eno: ");
        hr_eno = Convert.ToInt32(Console.ReadLine());
        Console.Write("Enter EName: ");
        hr_ename = Console.ReadLine();
    }
    public void display_hr()
    {
        Console.WriteLine("Eno is : " + hr_eno);
        Console.WriteLine("Ename is : " + hr_ename);
    }
}
class Program
{
    static void Main(string[] args)
    {
        Sales s1 = new Sales();
        s1.get_cname();
        s1.get_sales();
        s1.display_cname();
```

```
            s1.display_sales();

            Console.WriteLine();

            HR h1 = new HR();
            h1.get_cname();
            h1.get_hr();
            h1.display_cname();
            h1.display_hr();

            Console.ReadKey();
        }
    }
}
```

Slip 4:

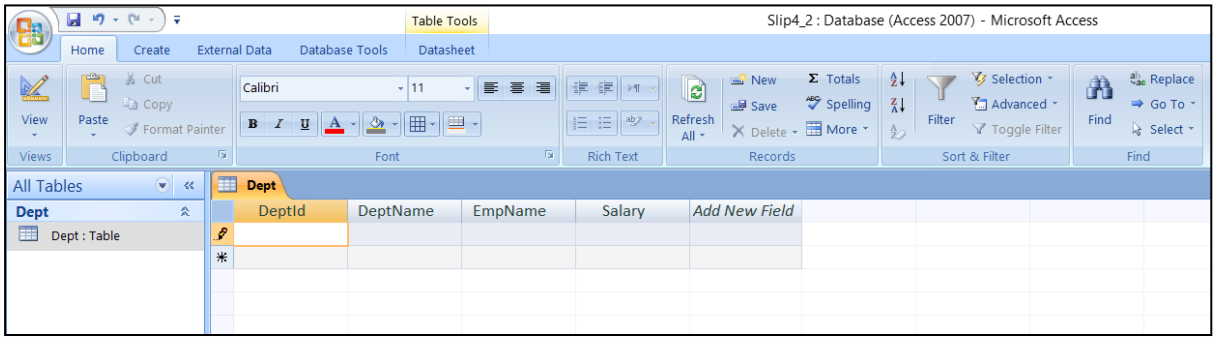
A) Design a VB.net form to pick a date from DateTimePicker Control and display day, month and year in separate text boxes.



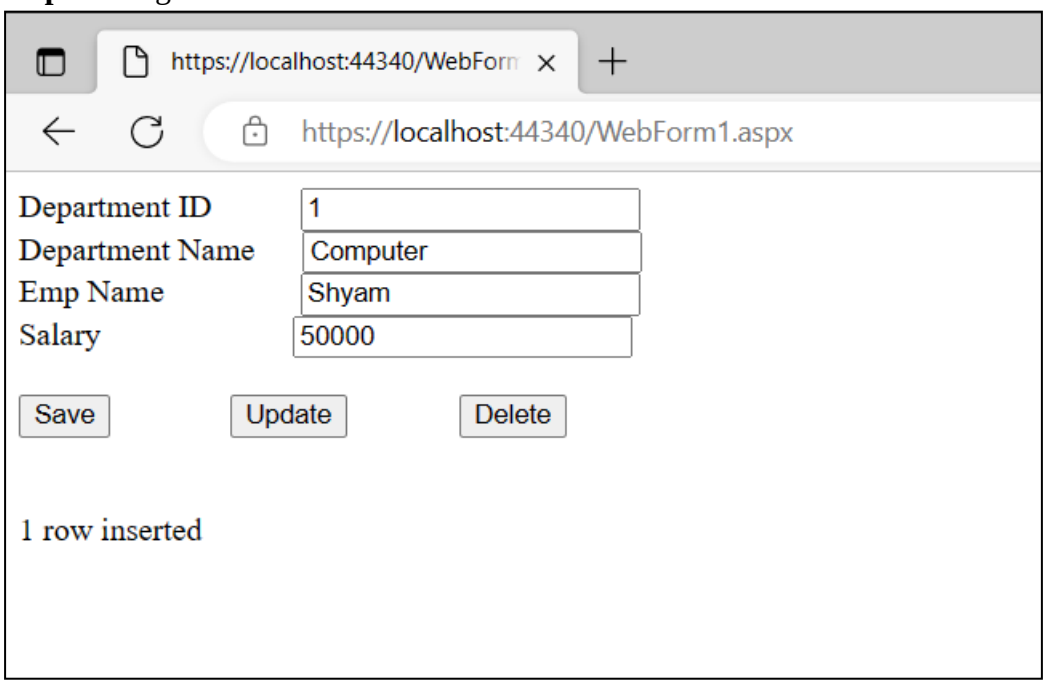

```
PublicClassForm3
PrivateSub DateTimePicker1_ValueChanged(sender AsObject, e AsEventArgs) Handles
DateTimePicker1.ValueChanged
        TextBox1.Text = DateTimePicker1.Value.Day
        TextBox2.Text = DateTimePicker1.Value.Month
        TextBox3.Text = DateTimePicker1.Value.Year
EndSub
EndClass
```

B) 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 one row of the database table.

Step1: Create Empty table in the database



Step2: Design a Form



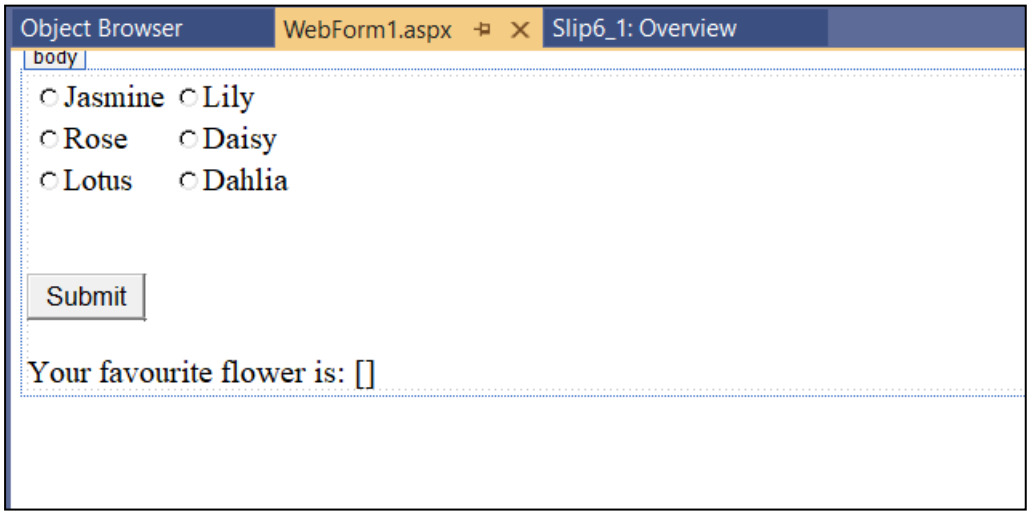

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.OleDb;

namespace Slip4_2
{

    public partial class WebForm1 : System.Web.UI.Page
    {
```

```
    OleDbConnection con = new
OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\\Users\\Lenovo\\Documents\\Slip4_2.accdb");

    protected void Page_Load(object sender, EventArgs e)
    {
        con.Open();
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        string sql1 = "insert into Dept values(" + Convert.ToInt32(TextBox1.Text) + ",'" +
TextBox2.Text + "','" + TextBox3.Text + "'," + TextBox4.Text + ")";
        OleDbCommand cmd = new OleDbCommand(sql1, con);
        int cnt = cmd.ExecuteNonQuery();
        Label5.Text = cnt + " row inserted";
    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        string sql2 = "update Dept set Salary = Salary+ (Salary*0.15) where
EmpName='Shyam'";
        OleDbCommand cmd = new OleDbCommand(sql2, con);
        int cnt1=cmd.ExecuteNonQuery();
        Label5.Text = cnt1 + " row updated";

    }

    protected void Button3_Click(object sender, EventArgs e)
    {
        string sql2 = "delete from Dept where EmpName='Shyam'";
        OleDbCommand cmd = new OleDbCommand(sql2, con);
        int cnt2 = cmd.ExecuteNonQuery();
        Label5.Text = cnt2 + " row deleted";
    }
  }
}
```

Slip 6:

A) Write ASP.Net program that displays the names of some flowers in two columns. Bind a label to the RadioButtonList so that when the user selects an option from the list and clicks on a button, the label displays the flower selected by the user.

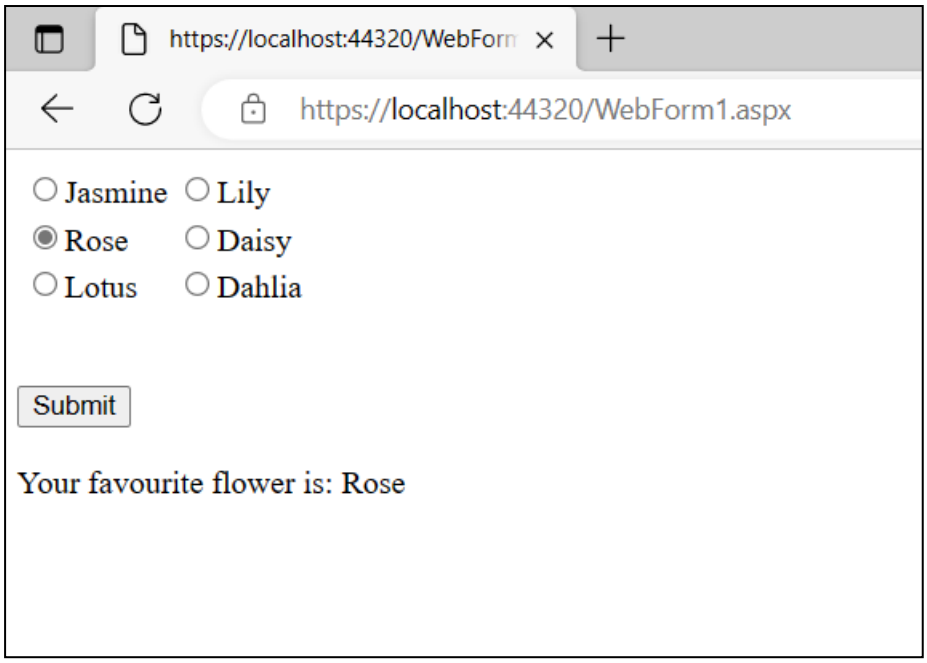
Form Design:




```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="Slip6_1.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <script language="C#" runat="server">
        void Btn_Click(Object sender, EventArgs e)
        {
            Page.DataBind();
        }
</script>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:RadioButtonList id="Flower" repeatcolumns=2 runat="server" size=3>
                <asp:ListItem>Jasmine</asp:ListItem>
                <asp:ListItem>Rose</asp:ListItem>
                <asp:ListItem>Lotus</asp:ListItem>
                <asp:ListItem>Lily</asp:ListItem>
                <asp:ListItem>Daisy</asp:ListItem>
                <asp:ListItem>Dahlia</asp:ListItem>
            </asp:RadioButtonList>
            <br /><br />
```

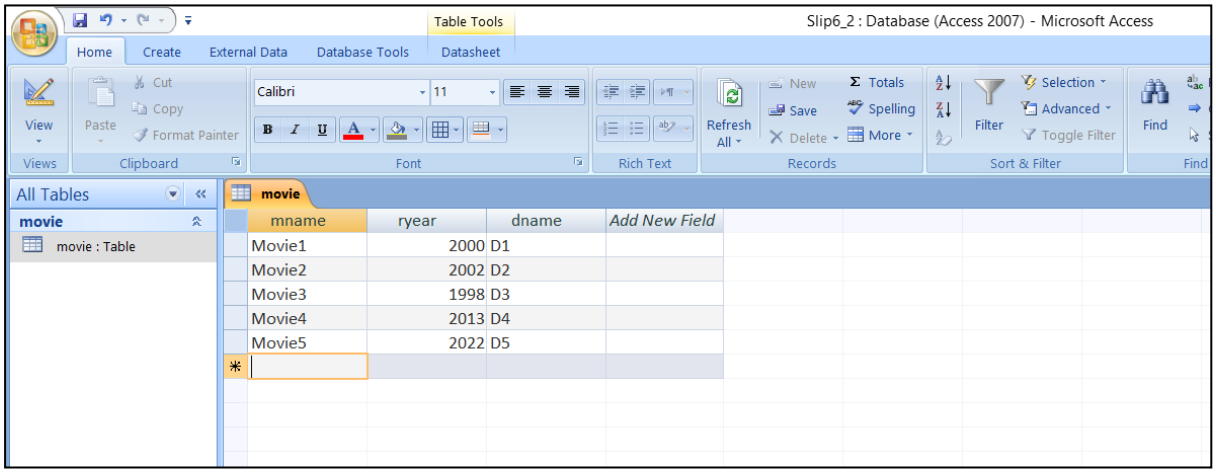
```
        <asp:button Text="Submit" OnClick="Btn_Click" runat="server"/>
        <br /><br />
        Your favourite flower is: <asp:label text='<%# Flower.SelectedItem.Text %>'
runat="server"/>
      </div>
   </form>
</body>
</html>
```

OUTPUT:

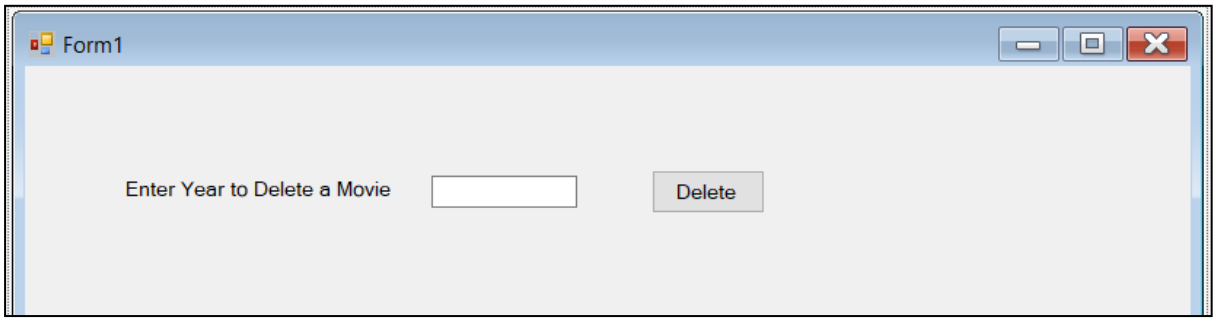


B) Write a VB.NET program to create movie table (Mv_Name, Release_year, Director). Insert the records (Max: 5). Delete the records of movies whose release year is 2022 and display appropriate message in message box.

Step1: Create table



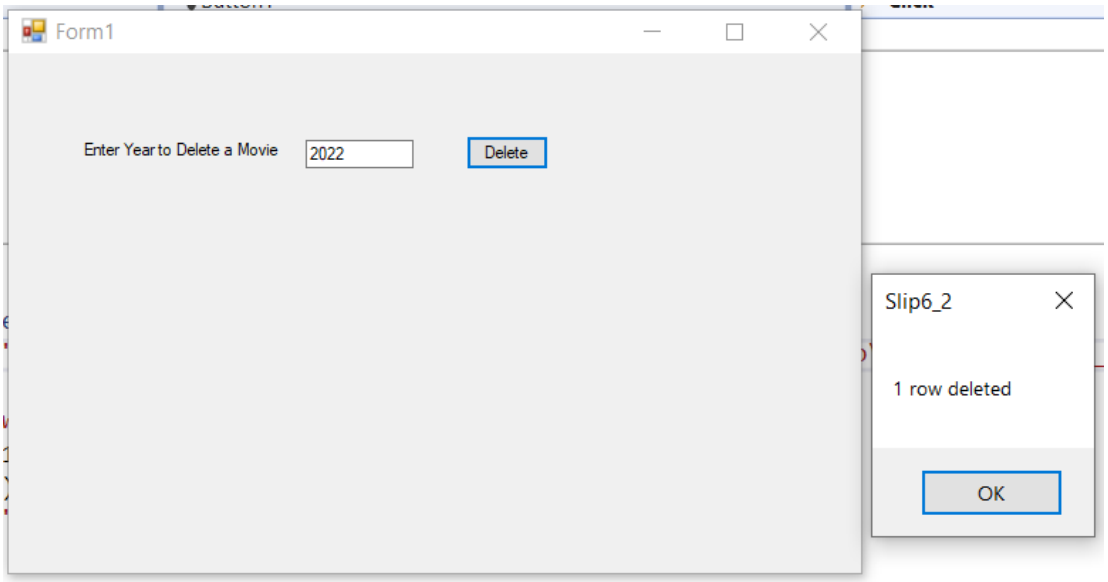
Step2: Design a form



Step3: Write Code on Delete Button Click

```
Imports System.Data.OleDb
Public Class Form1
    Dim con As OleDbConnection
    Dim cmd As OleDbCommand
    Dim str1 As String
    Dim cnt As Integer

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        con = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\Lenovo\Documents\Slip6_2.accdb")
        con.Open()
        str1 = "delete from movie where ryear=" & TextBox1.Text
        cmd = New OleDbCommand(str1, con)
        cnt = cmd.ExecuteNonQuery()
        MsgBox(cnt & " row deleted")

    End Sub
End Class
```

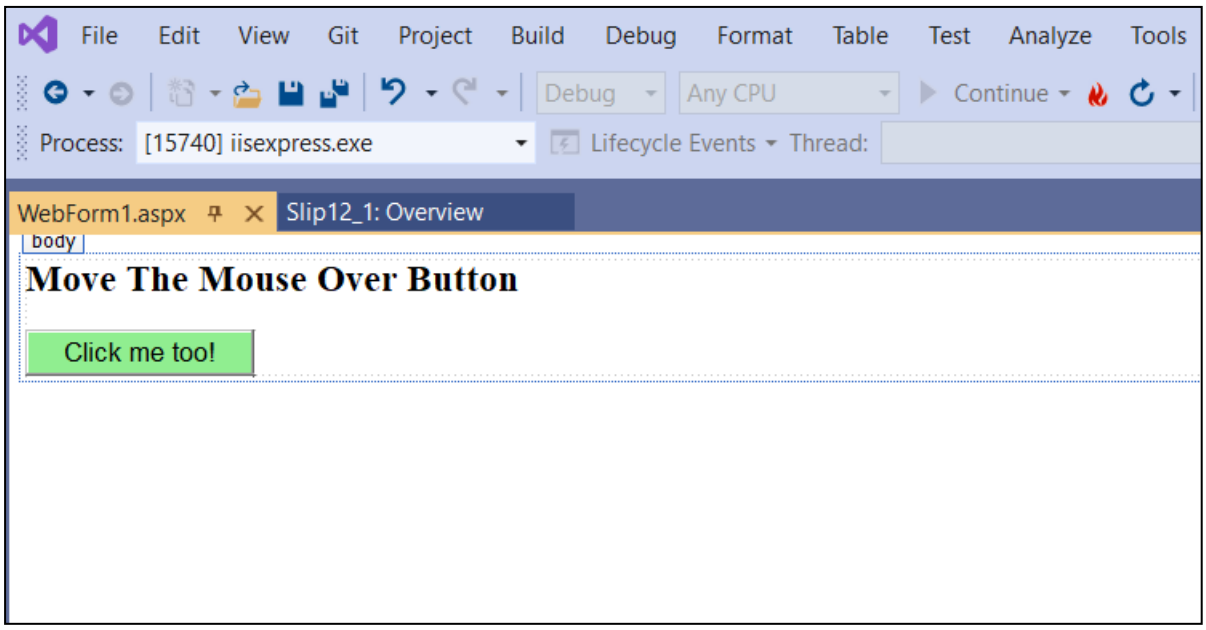
OUTPUT:



Slip 12:

A) Write ASP.Net program that displays a button in green color and it should change into yellow when the mouse moves over it.

Form Design:

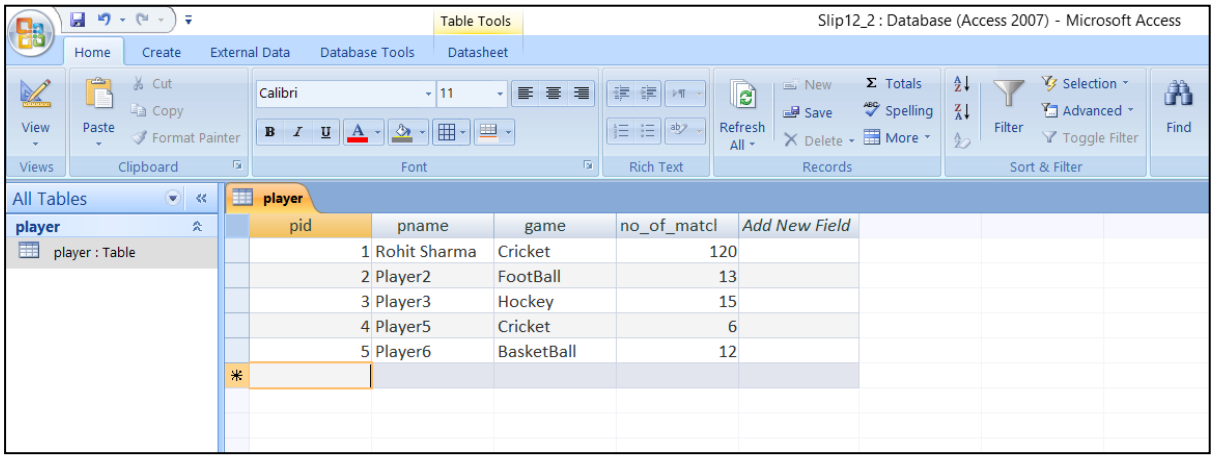


Code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Slip12_1.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">

        <div>
        <h3> Move The Mouse Over Button </h3>
            <asp:button id="Button2" OnServerClick="Button2_Click" text="Click me too!"
style="background-color:lightgreen"
                onmouseover="this.style.backgroundColor='yellow'"
                onmouseout="this.style.backgroundColor='lightgreen'" runat="server"/>
        </div>
    </form>
</body>
</html>
```

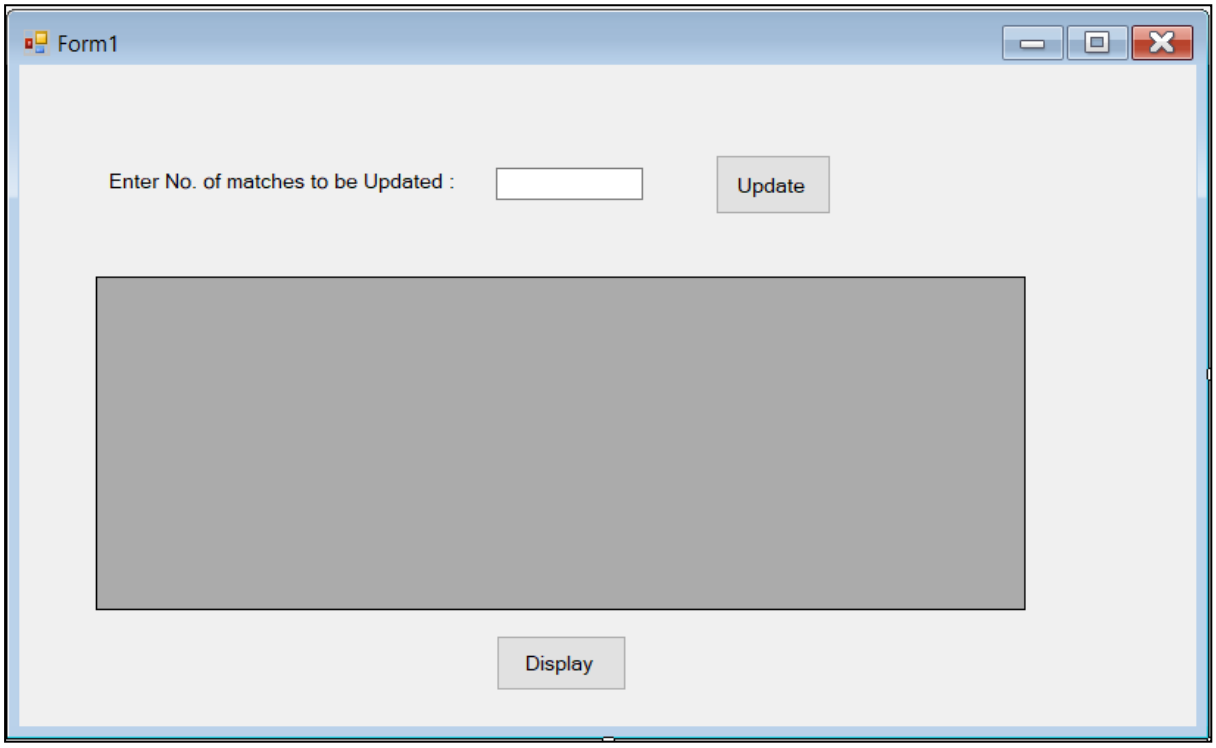
B) Write a VB.NET program to create player table (PID, PName, Game, no_of_matches). Insert records and update number of matches of 'Rohit Sharma' and display result in data grid view.

Step1: Create table Player & Insert records



pid	pname	game	no_of_matcl	Add New Field
1	Rohit Sharma	Cricket	120	
2	Player2	FootBall	13	
3	Player3	Hockey	15	
4	Player5	Cricket	6	
5	Player6	BasketBall	12	

Step2: Design Form



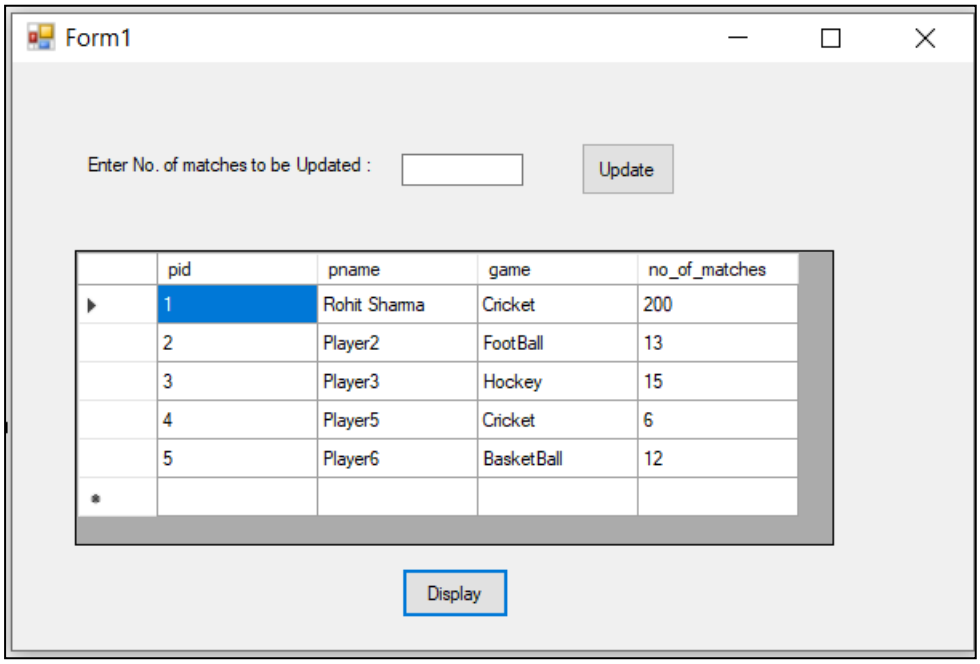
Step3: Write Code

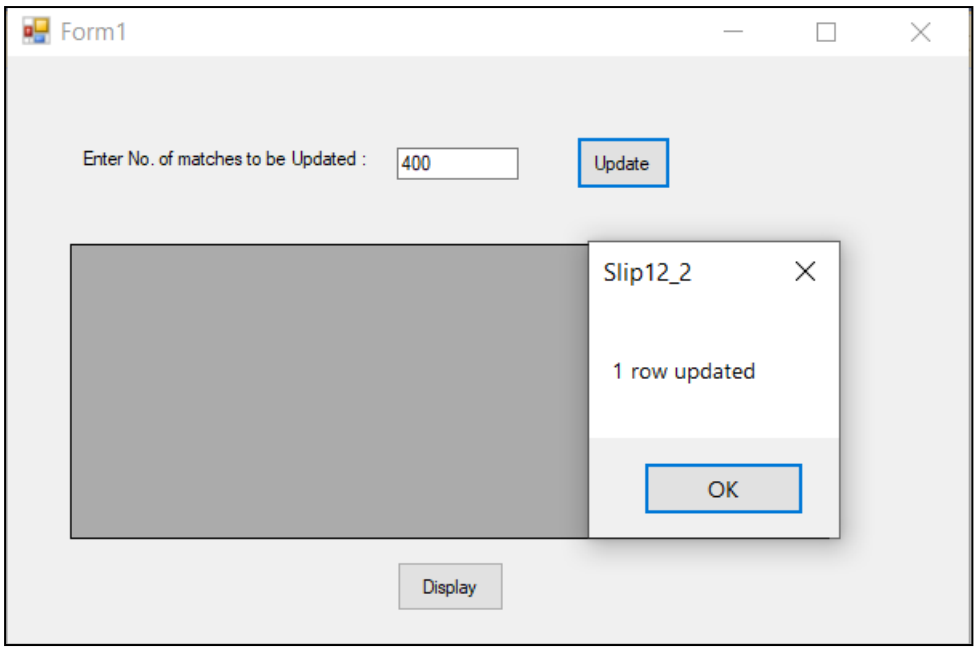
```
Imports System.Data.OleDb
Public Class Form1
    Dim con As OleDbConnection
    Dim cmd As OleDbCommand
    Dim adpt As OleDbDataAdapter
    Dim ds As New DataSet
    Dim str1 As String
```

```
    Dim cnt As Integer

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        con = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\Lenovo\Documents\Slip12_2.accdb")
        con.Open()
    End Sub
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        str1 = "update player set no_of_matches=" & TextBox1.Text & " where pname='Rohit
Sharma'"
        cmd = New OleDbCommand(str1, con)
        cnt = cmd.ExecuteNonQuery()
        MsgBox(cnt & " row updated")
    End Sub
    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        str1 = "select * from player"
        cmd = New OleDbCommand(str1, con)
        adpt = New OleDbDataAdapter(cmd)
        adpt.Fill(ds, "player")
        DataGridView1.DataSource = ds
        DataGridView1.DataMember = "player"

    End Sub
End Class
```

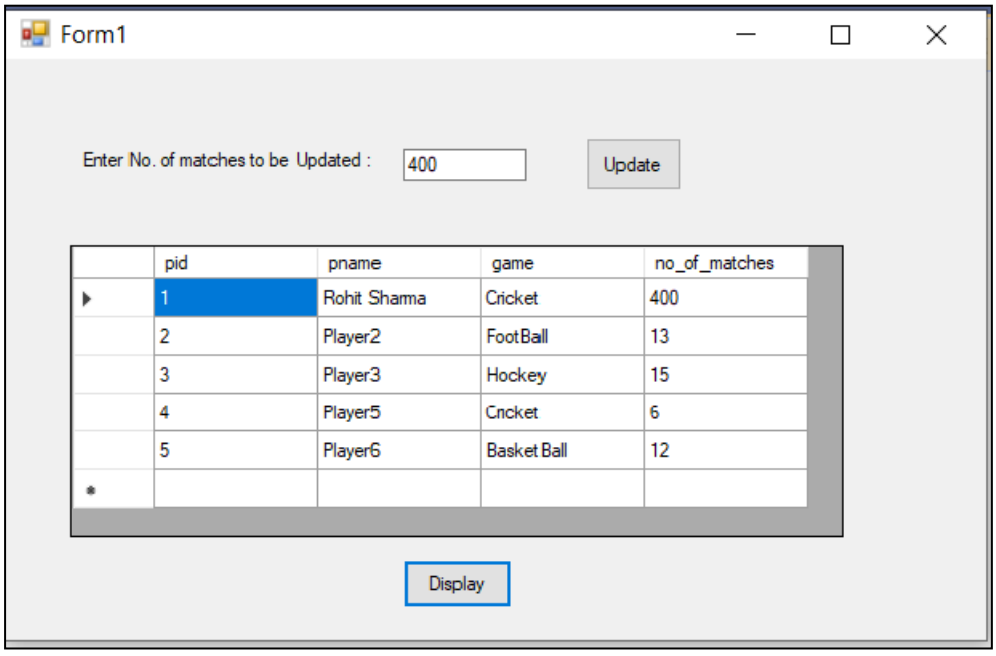
OUTPUT:

Before Update:





After Update:



Slip 13:

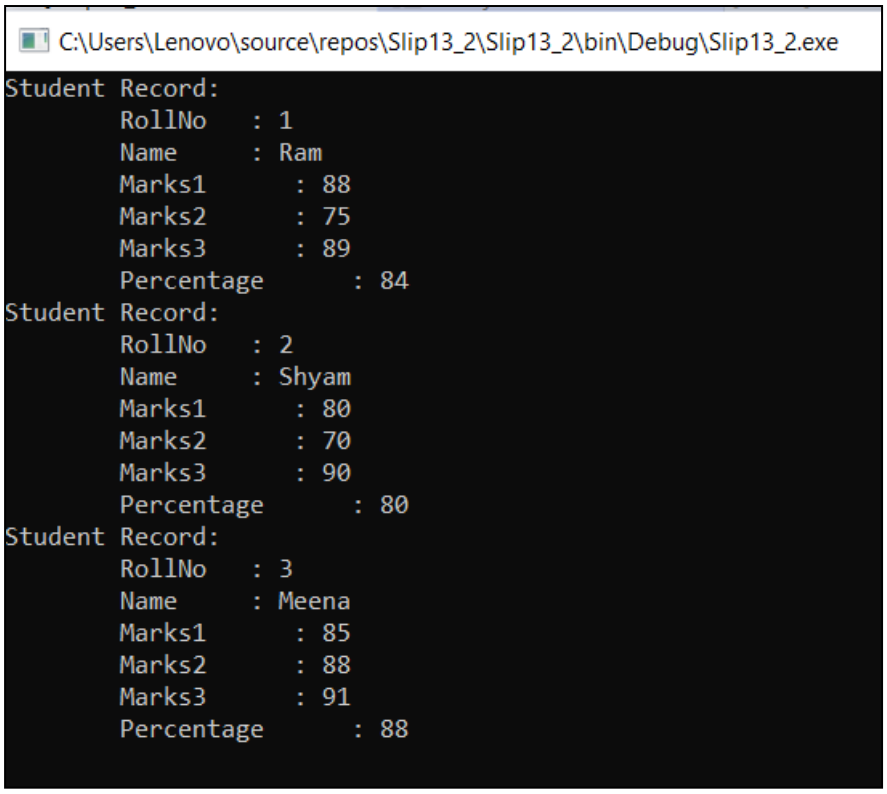
A) Write a VB.net program for blinking an image.


```
Public Class Form4
Private Sub Form4_Load(sender AsObject, e AsEventArgs) HandlesMyBase.Load
        Timer1.Start()
End Sub

Private Sub Timer1_Tick(sender AsObject, e AsEventArgs) Handles Timer1.Tick
If PictureBox1.Visible = TrueThen
            PictureBox1.Visible = False
Else
            PictureBox1.Visible = True
End If
End Sub
End Class
```

B) Write a C# Program to accept and display 'n' student's details such as Roll. No, Name, marks in three subjects, using class. Display percentage of each student.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Slip13_2
{
   class Student
   {
      int rollno;
      string name;
      int marks1;
      int marks2;
      int marks3;
      public  Student(int rno, string nm, int m1, int m2, int m3)
      {
         rollno = rno;
         name = nm;
         marks1 = m1;
         marks2 = m2;
         marks3 = m3;
      }

      public void display()
      {
         Console.WriteLine("Student Record: ");
         Console.WriteLine("\tRollNo   : " + rollno);
         Console.WriteLine("\tName     : " + name);
         Console.WriteLine("\tMarks1      : " + marks1);
         Console.WriteLine("\tMarks2      : " + marks2);
         Console.WriteLine("\tMarks3      : " + marks3);
         int total = marks1 + marks2 + marks3;
         double per = (double)total / 300 *100;
         Console.WriteLine("\tPercentage      : " + per);
      }
   }
   class Program
   {
      static void Main(string[] args)
      {
         Student[] S = new Student[3];

         S[0] = new Student(1,"Ram",88,75,89);
         S[1] = new Student(2, "Shyam", 80, 70, 90);
         S[2] = new Student(3, "Meena", 85, 88, 91);
```

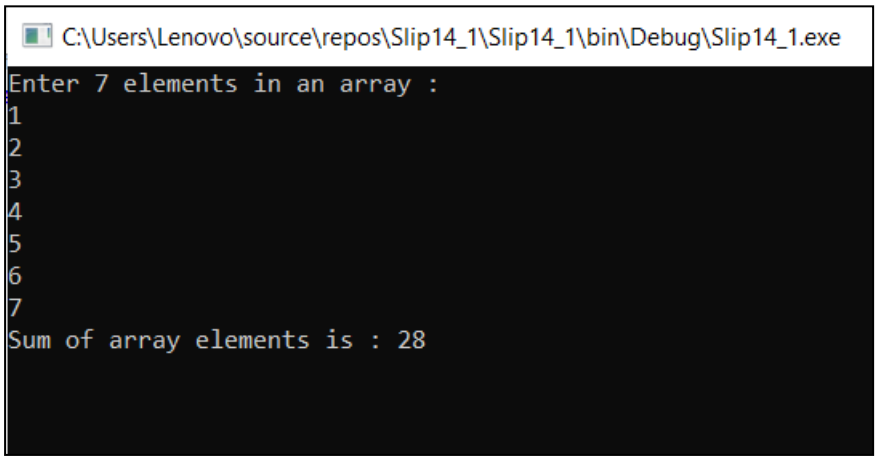
```
            S[0].display();
            S[1].display();
            S[2].display();

            Console.ReadKey();
        }
    }
}
```



Slip 14:

A) Write a program in C#.Net to find the sum of all elements of the array.

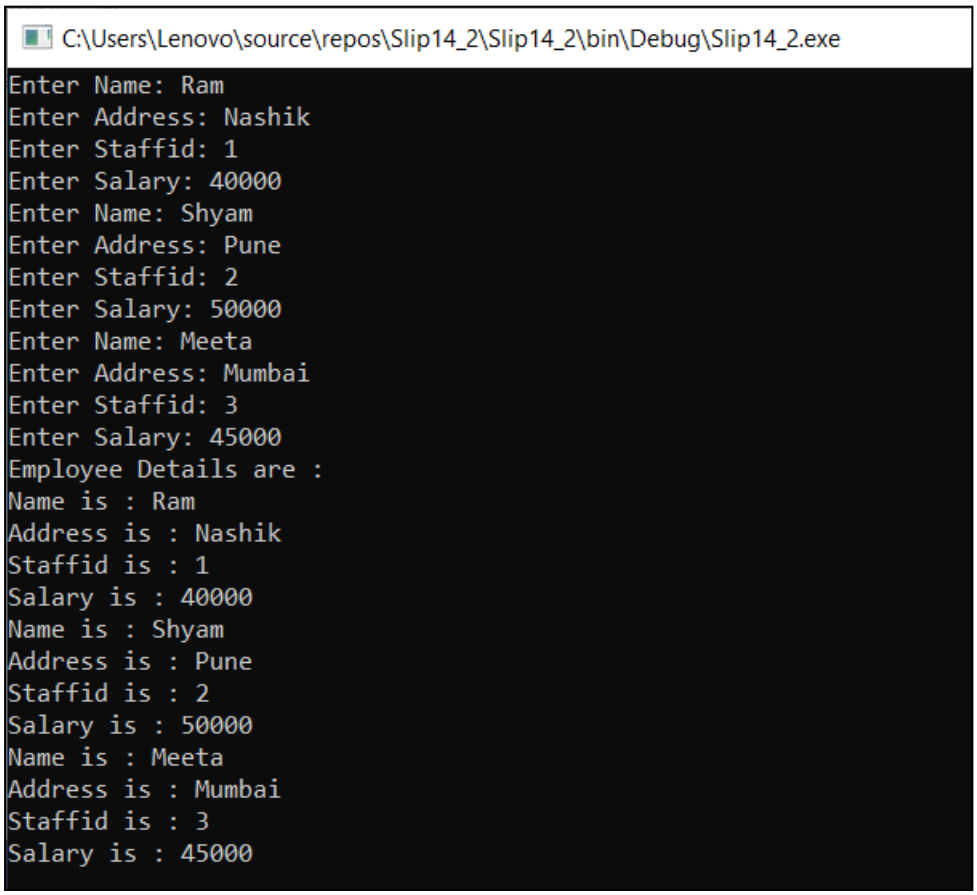
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Slip14_1
{
   class Program
   {
      static void Main(string[] args)
      {
         int[] arr = new int[7];
         int sum = 0;
         Console.WriteLine("Enter 7 elements in an array : ");
         for (int i = 0; i < 7; i++)
         {
            arr[i]=Convert.ToInt32(Console.ReadLine());
         }
         for (int i=0;i<7;i++)
         {
            sum = sum + arr[i];
         }
         Console.WriteLine("Sum of array elements is : " + sum);
         Console.ReadKey();
      }
   }
}
```



B) Write a C#.Net Program to define a class Person having members –name, address. Create a subclass called employee with member staffed, salary. Create 'n' objects of the Employee class and display all the details of the Employee.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Slip14_2
{
   class person
   {
      string name, addr;
      public void getdata()
      {
         Console.Write("Enter Name: ");
         name = Console.ReadLine();
         Console.Write("Enter Address: ");
         addr = Console.ReadLine();
      }
      public void display()
      {
         Console.WriteLine("Name is : "+name);
         Console.WriteLine("Address is : "+addr);
      }
   }
   class employee : person
   {
      int staffid, salary;
      public void getempdata()
      {
         Console.Write("Enter Staffid: ");
         staffid =Convert.ToInt32( Console.ReadLine());
         Console.Write("Enter Salary: ");
         salary = Convert.ToInt32(Console.ReadLine());
      }
      public void displayemp()
      {
         Console.WriteLine("Staffid is : " + staffid);
         Console.WriteLine("Salary is : " + salary);
      }
   }
   class Program
   {
      static void Main(string[] args)
      {
         employee[] emp = new employee[3];
```

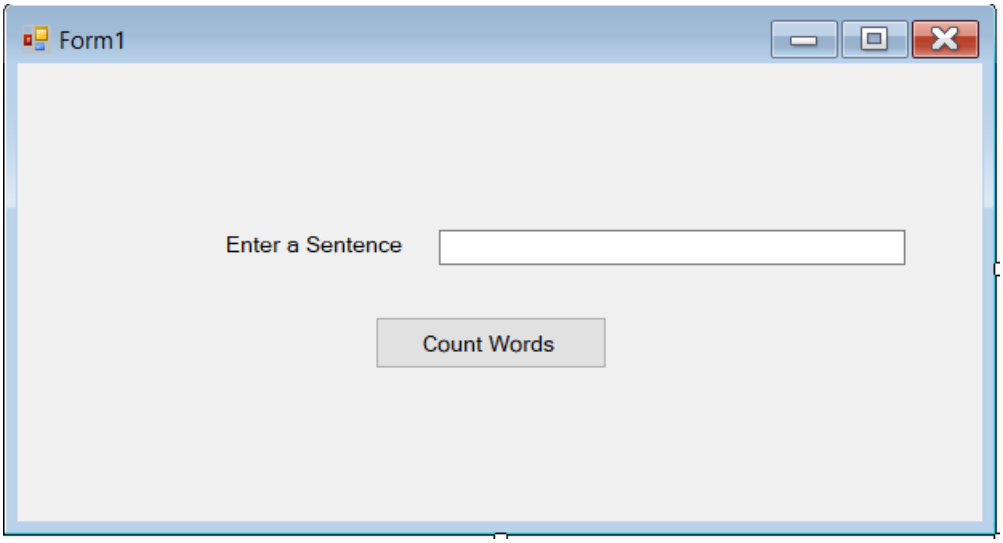
```
        for(int i = 0; i < 3; i++)
        {
            emp[i] = new employee();
            emp[i].getdata();
            emp[i].getempdata();
        }
        for (int i = 0; i < 3; i++)
        {
            emp[i].display();
            emp[i].displayemp();
        }

        Console.ReadKey();
    }
  }
}
```



Slip 21:

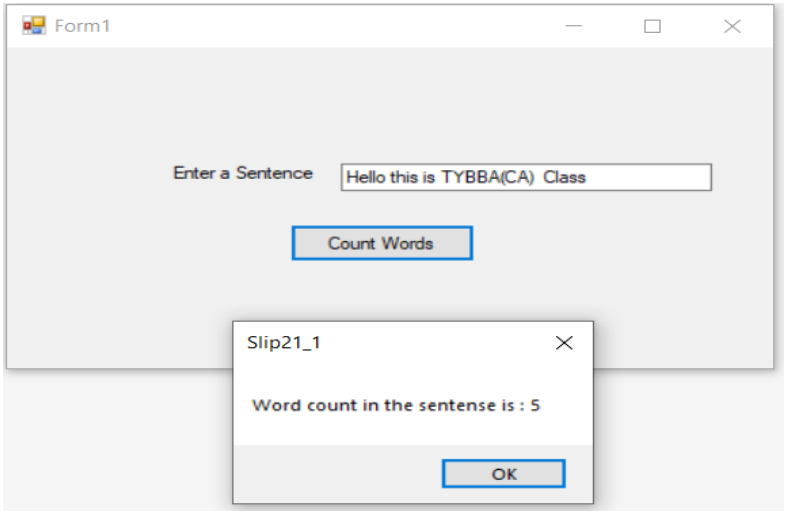
A) Write a VB.NET program to accept sentences in text box and count the number of words and display the count in message box.

Form Design:



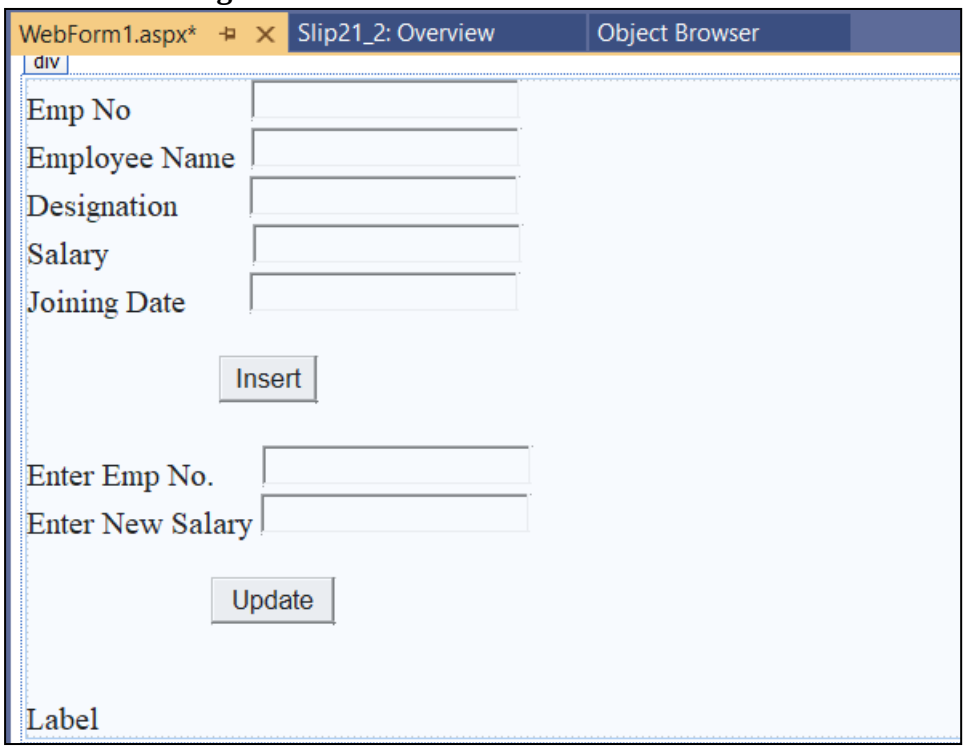
Code:

```
Public Class Form1
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Dim s1 As String
        Dim wcnt As Integer = 0
        For Each s1 In TextBox1.Text
            If s1 = " " Then
                wcnt = wcnt + 1
            End If
        Next
        MsgBox("Word count in the sentense is : " & wcnt)
    End Sub
End Class
```



B) Write ASP.Net application for the following:
1. Create a table EMP(eno, ename, edesignation, salary, joindate)
2. Insert a Record.
3. Update a record

Web Form Design:




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

namespace Slip4_2
{
   public partial class WebForm1 : System.Web.UI.Page
   {
      OleDbConnection con = new
OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\\Users\\Lenovo\\Documents\\Slip21_2.accdb");

      protected void Page_Load(object sender, EventArgs e)
      {
         con.Open();
      }

      protected void Button1_Click(object sender, EventArgs e)
      {
```

```
            string sql1 = "insert into emp values(" + Convert.ToInt32(TextBox1.Text) + ",'" +
TextBox2.Text + "','" + TextBox3.Text + "'," + TextBox4.Text + ",'" + TextBox5.Text + "')";
            OleDbCommand cmd = new OleDbCommand(sql1, con);
            int cnt = cmd.ExecuteNonQuery();
            Label8.Text = cnt + " row inserted";
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            string sql2 = "update emp set Salary =" + TextBox7.Text + "where Empno="
TextBox4.Text;
            OleDbCommand cmd = new OleDbCommand(sql2, con);
            int cnt1=cmd.ExecuteNonQuery();
            Label8.Text = cnt1 + " row updated";

        }
    }
}
```

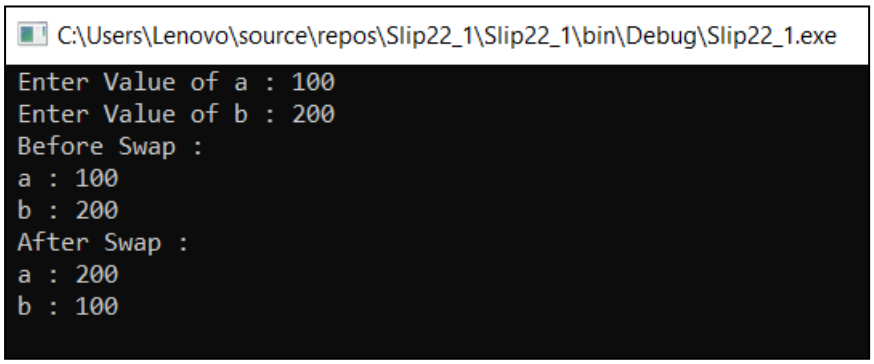
Slip 22:

A) Write a program in C# to create a function to swap the values of two integers.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Slip22_1
{
    class Program
    {
        static void swap(int a,int b)
        {
            int temp = a;
            a = b;
            b = temp;
            Console.WriteLine(" After Swap : ");
            Console.WriteLine(" a : " + a);
            Console.WriteLine(" b : " + b);
        }
        static void Main(string[] args)
        {
            int a, b;
            Console.Write(" Enter Value of a : ");
            a = Convert.ToInt32(Console.ReadLine());
            Console.Write(" Enter Value of b : ");
```

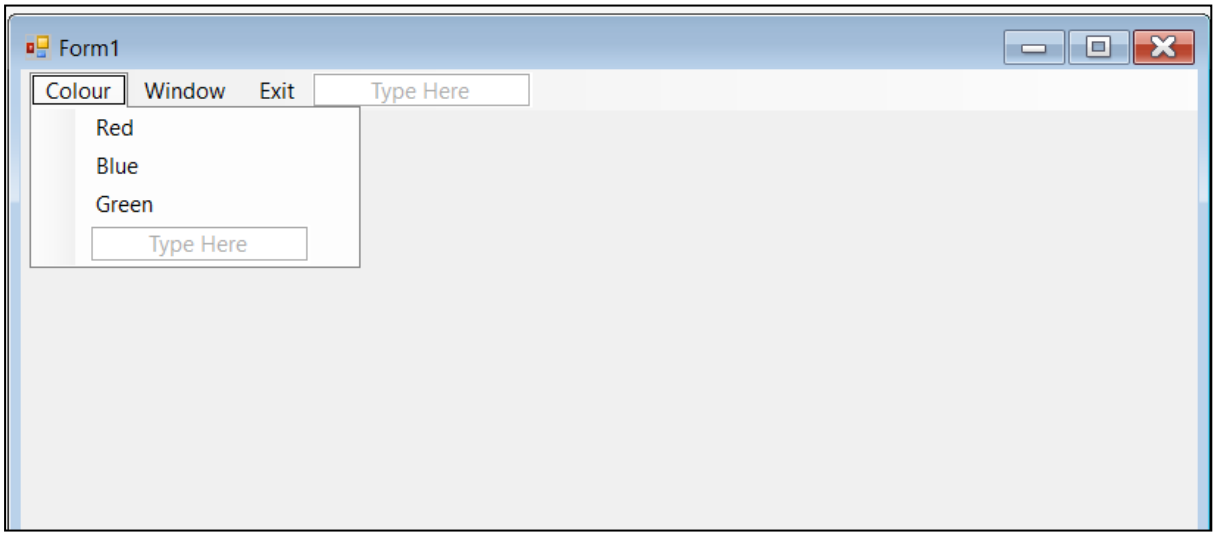
```
            b = Convert.ToInt32(Console.ReadLine());

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

            Console.ReadKey();
        }
    }
}
```

OUTPUT:

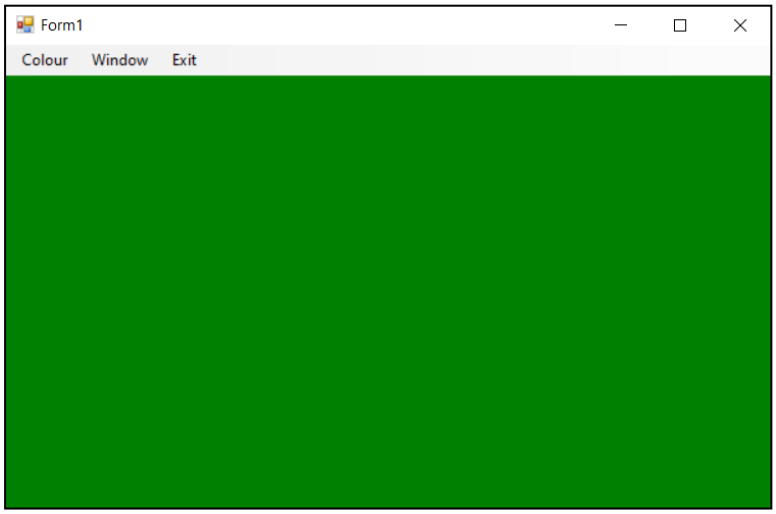


B) Write a Vb.net program to design the following form; it contains the three menus Color (Red, Blue, and Green), Window (Maximize, Minimize, and Restore) and Exit. On Selection of any menu or submenu result should affect the form control(for example if user selected Red color from Color menu back color of form should get changed to Red and if user selected Maximize from Window Menu then form should get maximized).

Form Design: Drag **MenuStrip** Control on the form, Give names to the menus as per the program.



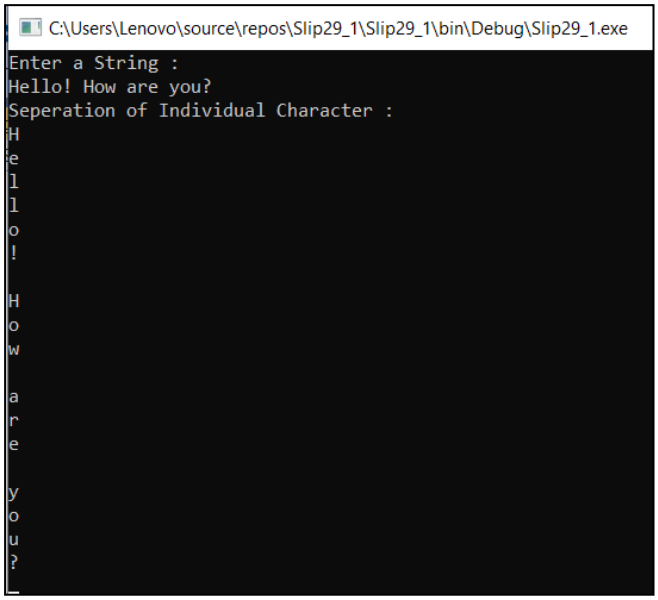
```
Public Class Form1
    Private Sub RedToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
RedToolStripMenuItem.Click
        Me.BackColor = Color.Red
    End Sub

    Private Sub BlueToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
BlueToolStripMenuItem.Click
        Me.BackColor = Color.Blue
    End Sub

    Private Sub GreenToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
GreenToolStripMenuItem.Click
        Me.BackColor = Color.Green
    End Sub

    Private Sub MaximiseToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles MaximiseToolStripMenuItem.Click
        Me.WindowState = FormWindowState.Maximized
    End Sub

    Private Sub MinimiseToolStripMenuItem_Click(sender As Object, e As EventArgs)
Handles MinimiseToolStripMenuItem.Click
        Me.WindowState = FormWindowState.Minimized
    End Sub

    Private Sub RestoreToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
RestoreToolStripMenuItem.Click
        Me.WindowState = FormWindowState.Normal
    End Sub

    Private Sub ExitToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
ExitToolStripMenuItem.Click
        End
    End Sub
End Class
```



Slip 29:

A) Write a program in C#.Net to separate the individual characters from a String.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Slip29_1
{
   class Program
   {
      static void Main(string[] args)
      {
         string str1;
         Console.WriteLine("Enter a String : ");
         str1 = Console.ReadLine();
         Console.WriteLine("Seperation of Individual Character : ");
         foreach (char ch in str1)
         {
            Console.WriteLine(ch);
         }
         Console.ReadKey();
      }
   }
}
```



B) Write a VB.NET program to accept the details of customer (CName, Contact No, Email_id). Store it into the database with proper validation and display appropriate message by using Message box.

```
Imports System.Data.OleDb

Public Class Form1

Dim cn As New OleDbConnection
Dim cmd As New OleDbCommand
Dim dt As New DataTable
Dim dataadapter As New OleDbDataAdapter
Dim str As String
Dim n As Integer

Private Sub cmdNew_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cmdNew.Click
        txtCName.Clear()
        txtContact.Clear()
        txtEmail.Clear()
        txtCName.Focus()
End Sub

Private Sub cmdSave_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cmdSave.Click
        Dim a As Integer
        Dim r As String
        a = Asc(txtCName.Text)
        If a < 65 And a > 122 Then
             MsgBox("Name is Invalid,only characters are allowed")
             Exit Sub
        Else
        If Not IsNumeric(txtContact.Text) Then
             MsgBox("Invalid Phone Number, only numbers are allowed")
             Exit Sub
        Else
        r = InStr(1, txtEmail.Text, "@", vbTextCompare)
       If r = 0 Then
            MsgBox("Invalid Email")
            txtEmail.Text = ""
            txtEmail.Focus()
            Exit Sub
       Else
       r = InStr(1, txtEmail.Text, ".", vbTextCompare)
       If r = 0 Then
           MsgBox("Invalid Email")
           txtEmail.Text = ""
           txtEmail.Focus()
           Exit Sub
   Else
```

```
cn = New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=D:\VB.NET\slip26\customer.accdb")
cn.Open()

str = "insert into customer values('" & txtCName.Text & "','" & txtContact.Text & "','" &
txtEmail.Text & "')" cmd = New OleDb.OleDbCommand(str, cn)
n = cmd.ExecuteNonQuery
If (n > 0) Then
MsgBox("All fields are validated & Record Inserted Successfully")
End If
End If
End If
End If
End If
cn.Close()
End Sub

Private Sub cmdShow_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles cmdShow.Click
    DataGridView1.DataSource = Nothing
    cn = New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=D:\VB.NET\slip26\customer.accdb")
cn.Open()
str = "select * from customer"
cmd = New OleDb.OleDbCommand(str, cn)
dataadapter = New OleDb.OleDbDataAdapter(cmd)
dataadapter.Fill(dt)
DataGridView1.DataSource = dt
End Sub
End Class
```