**PRACTICAL NO 1**

1. **Design a Login Form containing User Name and password. The password should contain max 8 characters. When user name and password matches with predefined values, a welcome message should be displayed otherwise error message should be displayed. Maximum 3 attempts should be allowed for wrong passwords otherwise the application should end[Use If]**

**Source code:**

Public Class Form1

Dim tries As Integer

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

If TextBox1.Text = "admin" And TextBox2.Text = "admin" Then

MessageBox.Show("Welcome, " & TextBox1.Text)

Else

tries = tries + 1

If tries = 4 Then

MessageBox.Show("You have exceeded max number of attempts!!! The application will close now!")

End

Else

TextBox1.Text = ""

TextBox2.Text = ""

TextBox1.Focus()

End If

End If

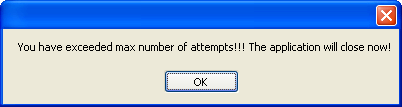
End Sub

End Class

**OUTPUT:**





**PRACTICAL NO-2**

**Create a form that accepts 2 numbers from 2 text fields, an operation(+,-,\*,/) from third text field. When you click “Result” button, the result of the expression should be displayed in 4rth disabled text-field. Include a radio button to choose whether the result should be integer or float. [Use Select]**

**Source code:**

Public Class Form1

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

TextBox4.Text = ""

If RadioButton1.Checked = True Then

Dim a, b As Integer

Dim op As String

a = TextBox1.Text

b = TextBox3.Text

op = TextBox2.Text

Select Case op

Case "\*"

TextBox4.Text = CInt(a \* b)

Case "+"

TextBox4.Text = CInt(a + b)

Case "-"

TextBox4.Text = CInt(a - b)

Case "/"

TextBox4.Text = CInt(a / b)

Case Else

TextBox4.Text = ""

MessageBox.Show("Invalid operation....")

End Select

Else

Dim a, b As Single

Dim op As String

a = TextBox1.Text

b = TextBox3.Text

op = TextBox2.Text

Select Case op

Case "\*"

TextBox4.Text = CSng(a \* b)

Case "+"

TextBox4.Text = CSng(a + b)

Case "-"

TextBox4.Text = CSng(a - b)

Case "/"

TextBox4.Text = CSng(a / b)

Case Else

TextBox4.Text = ""

MessageBox.Show("Invalid operation....")

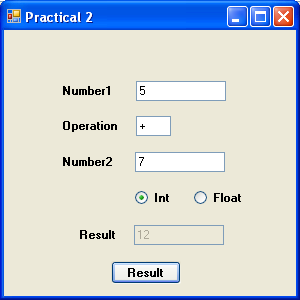
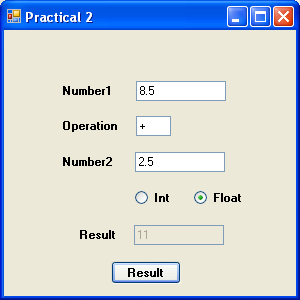
End Select

End If

End Sub

End Class

**OUTPUT:**

****

**PRACTICAL NO-3**

1. **Create a VB.NET Project that accepts Principle Amount, No. of Years & Rate of Interest from 3 text fields, when you click “Calculate Interest” button, the data is sent to a function that returns the simple interest. When you click on “Final Amount” button, the final amount by adding principle amount and interest should be displayed. [ Use Functions]**

**Source code:**

Public Class Form1

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim a, b, c As Single

a = Single.Parse(TextBox1.Text)

b = Single.Parse(TextBox2.Text)

c = Single.Parse(TextBox3.Text)

MessageBox.Show("The interest will be " & Interest(a, b, c))

End Sub

Private Function Interest(ByVal p As Single, ByVal n As Single, ByVal r As Single) As Single

Dim intr As Single

intr = p \* n \* r / 100

Return intr

End Function

Private Sub Button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

Dim a, b, c As Single

a = Single.Parse(TextBox1.Text)

b = Single.Parse(TextBox2.Text)

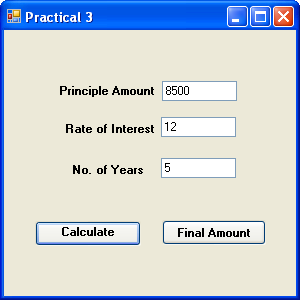
c = Single.Parse(TextBox3.Text)

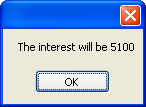
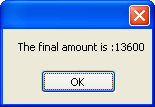
MessageBox.Show("The final amount is :" & (a + Interest(a, b, c)))

End Sub

End Class

**OUTPUT:**



**PRACTICAL NO-4**

**Create a reservation form for Mumbai-Pune journey, containing 3 text-fields to enter names, 3 text-fields to enter age and a text field to show final bill. It should also contain a check box showing the type of journey(AC or NonAC). Charges of AC/NonAC mode of journey is fixed. But only for children(age <5) and senior citizens(age>60), the rates are half. 4% service charges are applied on final amount. As per the passengers entered by user, display the final bill.**

**Source code:**

Public Class Reserv

Dim flag As Boolean

Dim x As Double = 0

Dim y As Double = 0

Dim z As Double = 0

Dim cnt As Integer = 0

Dim finalbill As Double = 0

Dim bill1 As Double = 0

Dim nac As Double = 300

Dim ac As Double = 500

Public Function billCal(ByVal chk As Double) As Double

Dim age As Double = chk

Dim bill As Double = 0

If age >= 60 Or age <= 5 Then

If flag Then

bill = bill + (ac / 2)

Else

bill = bill + (nac / 2)

End If

Else

If flag Then

bill = bill + ac

Else

bill = bill + nac

End If

End If

If age = 0 Then

bill = 0

End If

Return bill

End Function

Private Sub CheckBox2\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CheckBox2.CheckedChanged

flag = False

CheckBox1.CheckState = CheckState.Unchecked

finalbill = 0

End Sub

Private Sub CheckBox1\_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CheckBox1.CheckedChanged

flag = True

CheckBox2.CheckState = CheckState.Unchecked

finalbill = 0

End Sub

Private Sub TextBox4\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox4.TextChanged

x = Val(TextBox4.Text)

End Sub

Private Sub TextBox5\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox5.TextChanged

y = Val(TextBox5.Text)

End Sub

Private Sub TextBox6\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox6.TextChanged

z = Val(TextBox6.Text)

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

bill1 = billCal(x) + billCal(y) + billCal(z)

finalbill = bill1 + finalbill

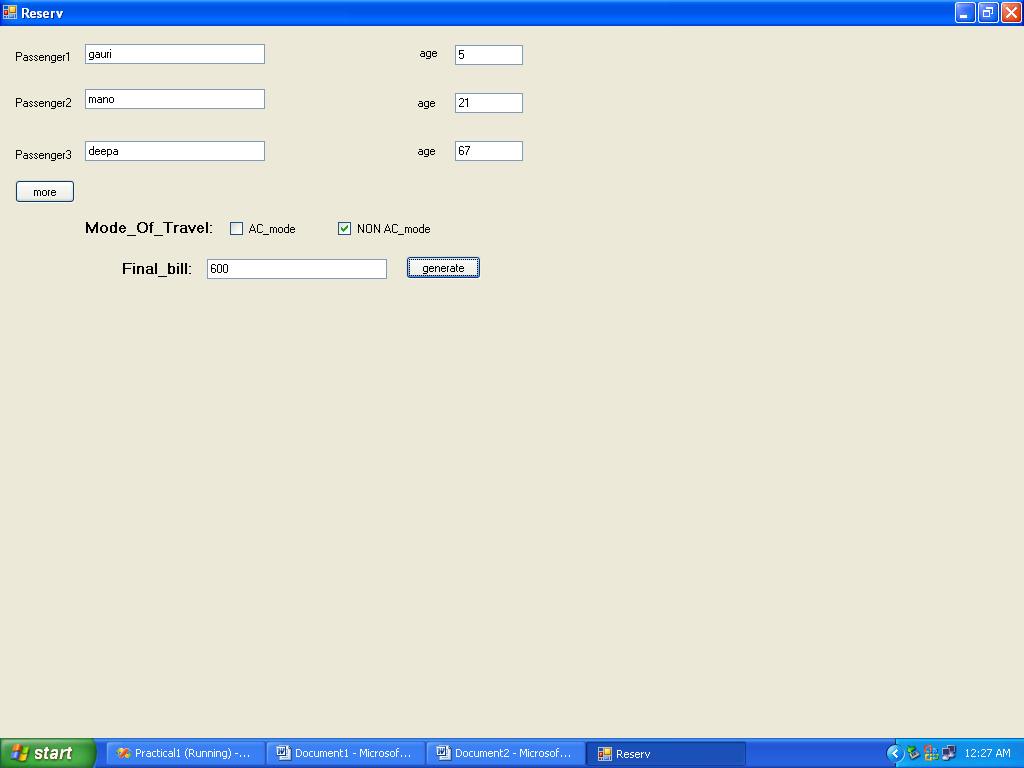
TextBox7.Text = finalbill

finalbill = 0

End Sub

End Class

**OUTPUT:**



**PRACTICAL NO-5**

**Create a form containing a list box with names of Indian cricket players. From this list, two teams should be formed called “Royal Challengers” & “Knight Riders”. The players of these teams should be shown in combo boxes which are initially empty. For each of these combo-box, two buttons – “Add” & “Delete” should be used that allow to make changes When you click on Add button of a particular team, the selected players from the main list box, should be added in the combo box. The same players should be removed from the main list box. Make sure that the number of players should not exceed 11. When you click on the delete button, a particular player from the combo-box should be deleted and added to the main list box.**

**Source code:**

Public Class Form2

Private Sub btn1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn1.Click

If ListBox1.SelectedIndex = -1 Then

MsgBox("Plz select an item", MsgBoxStyle.Information, "Select!!")

Else

ComboBox1.Items.Add(ListBox1.SelectedItem)

ListBox1.Items.RemoveAt(ListBox1.SelectedIndex)

End If

End Sub

Private Sub btn2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn2.Click

If ComboBox1.SelectedIndex = -1 Then

MsgBox("Plz select an item", MsgBoxStyle.Information, "Select!!")

Else

ListBox1.Items.Add(ComboBox1.SelectedItem)

ComboBox1.Items.RemoveAt(ComboBox1.SelectedIndex)

End If

End Sub

Private Sub btn3\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn3.Click

If ListBox2.SelectedIndex = -1 Then

MsgBox("Plz select an item", MsgBoxStyle.Information, "Select!")

Else

ComboBox2.Items.Add(ListBox2.SelectedItem)

ListBox2.Items.RemoveAt(ListBox2.SelectedIndex)

End If

End Sub

Private Sub btn4\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn4.Click

If ComboBox2.SelectedIndex = -1 Then

MsgBox("Plz select an item", MsgBoxStyle.Information, "Select!!")

Else

ListBox2.Items.Add(ComboBox2.SelectedItem)

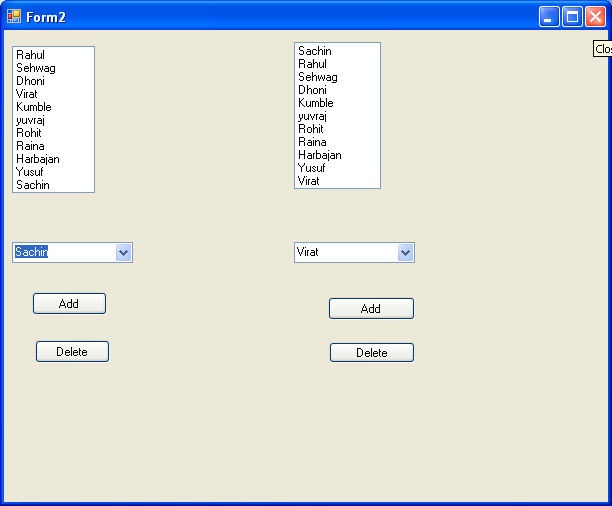
ComboBox2.Items.RemoveAt(ComboBox2.SelectedIndex)

End If

End Sub

End Class

**OUTPUT:**

****

**PRACTICAL NO-6**

**Write a program to enter information about customer with name, age and email in 3 text fields. Name text field should not accept any digit, age text field should not accept characters and perform validations on email on lost focus of text field.**

**Source code:**

Imports System.Text.RegularExpressions

Public Class Form1

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

End Sub

Function EmailAddressCheck(ByVal emailAddress As String) As Boolean

Dim pattern As String = "^[a-zA-Z][\w\.-]\*[a-zA-Z0-9]@[a-zA-Z0-9][\w\.-]\*[a-zA-Z0-9]\.[a-zA-Z][a-zA-Z\.]\*[a-zA-Z]$"

Dim emailAddressMatch As Match = Regex.Match(emailAddress, pattern)

If emailAddressMatch.Success Then

EmailAddressCheck = True

Else

EmailAddressCheck = False

End If

End Function

Public Sub onlynumbers(ByVal e As System.Windows.Forms.KeyPressEventArgs)

If Not Asc(e.KeyChar) = 8 Then 'For Backspace Work.

If InStr("0123456789", e.KeyChar) = 0 Then

e.Handled = True

'Same Like Keyascii=0 in vb6.0

MsgBox("Enter Only Numbers")

End If

End If

End Sub

Public Sub onlyAlphabate(ByVal e As System.Windows.Forms.KeyPressEventArgs)

If Not Asc(e.KeyChar) = 8 Then 'For Backspace Work.

If InStr("abcdefghijklmnopqrstuvwxyz .", e.KeyChar, CompareMethod.Text) = 0 Then

e.Handled = True

MsgBox("Enter Only Alphabate") 'Same Like Keyascii=0 in vb6.0

End If

End If

End Sub

Private Sub txtAge\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtAge.KeyPress

onlynumbers(e)

End Sub

Private Sub txtName\_KeyPress(ByVal sender As Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles txtName.KeyPress

onlyAlphabate(e)

End Sub

Private Sub txtEmail\_LostFocus(ByVal sender As Object, ByVal e As System.EventArgs) Handles txtEmail.LostFocus

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

If txtAge.Text <> "" And txtName.Text <> "" Then

If EmailAddressCheck(txtEmail.Text) = True Then

MsgBox("Valid Email")

MsgBox("Successful Entry")

Else

MsgBox("InValid Email")

txtEmail.Focus()

End If

Else

MsgBox("Plz check thr entry")

txtName.Focus()

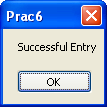
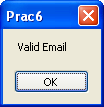
End If

End Sub

End Class

**OUTPUT:**

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**PRACTICAL NO-7**

**Write a program to accept information of customer for an investment policy such as Name, Date of Birth and Address. The amount to be invested should be selected from a combo box. A customer can invest from min. age of 21 to 60. According to Date of birth, determine current age of customer, total number of years remaining and accordingly find & display the premium that customer will have to pay.**

**Source code:**

Public Class Form1

Private Sub btnDisplay\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnDisplay.Click

Dim a As Date

Dim b As Date

Dim c As Long

b = dtpDateOfBirth.Text()

a = Now.Date()

c = DateDiff("yyyy", dtpDateOfBirth.Value, a)

If c >= 21 And c <= 60 Then

Dim x As Integer

Dim y As Double

x = 60 - c

y = FormatCurrency(CInt(cboAmount.Text) / x, 2)

txtYear.Text = x

txtPremium.Text = y

Else

MsgBox("Age must be between 21-60")

End If

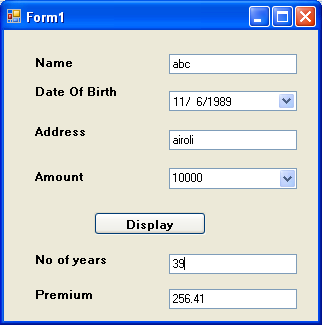
End Sub

Private Sub Label8\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label8.Click

End Sub

End Class

**OUTPUT:**

****

**PRACTICAL NO-8**

**Create a form containing 2 buttons to open color dialog and font dialog box. The form should contain a label. The label’s font and color should be set as per the options selected in the font and color dialog box.**

**Source code:**

Public Class Form1

Private Sub btnFont\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnFont.Click

FontDialog1.ShowDialog()

lblShow.Font = FontDialog1.Font

End Sub

Private Sub btnColor\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnColor.Click

ColorDialog1.ShowDialog()

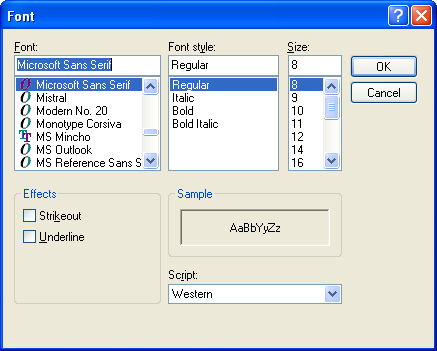
lblShow.ForeColor = ColorDialog1.Color

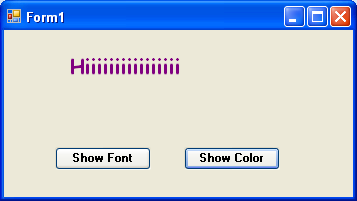
End Sub

End Class

**OUTPUT:**







**PRACTICAL NO-9**

**Create a form containing a text area and two buttons “Read” & “Write”. When you click**

**on Read button, File-open dialog box is opened in which when you select a text file its contains should be displayed in text area. When you click on Write Button, Save-File dialog box is opened in which you can select a text file in which the contents of text area will be written.**

**Source code:**

Imports **System.IO**

PublicClass **ReadWrite**

PrivateSub **btnRead\_Click(**ByVal **sender** As **System.Object,** ByVal **e** As **System.EventArgs)** Handles **btnRead.Click**

If **OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK** Then

Dim **sr** As **StreamReader =** New **StreamReader(OpenFileDialog1.FileName)**

Dim **line** AsString

**line = sr.ReadToEnd**

**RichTextBox1.Text = line**

**sr.Close()**

EndIf

EndSub

PrivateSub **btnWrite\_Click(**ByVal **sender** As **System.Object,** ByVal **e** As **System.EventArgs)** Handles **btnWrite.Click**

If **SaveFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK** Then

Dim **sw** As **StreamWriter =** New **StreamWriter(SaveFileDialog1.FileName)**

**sw.Write(RichTextBox1.Text)**

**sw.Close()**

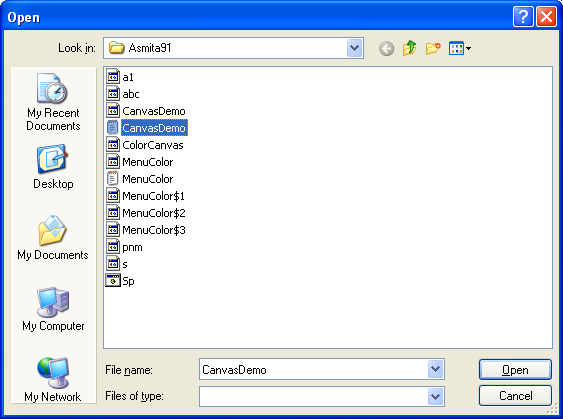
EndIf

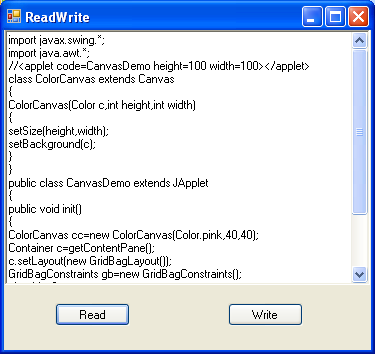
EndSub

EndClass

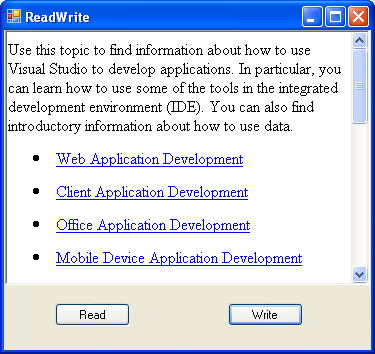
**OUTPUT:**

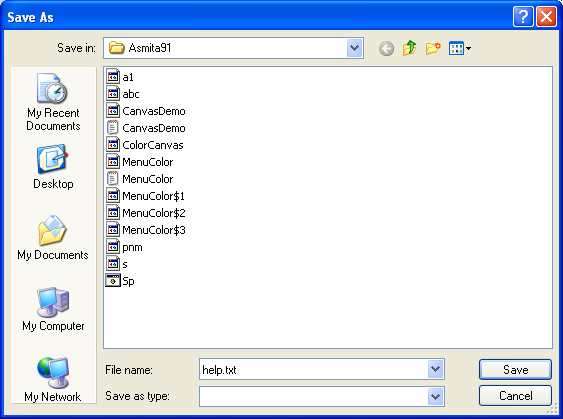
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**For Write:**

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**PRACTICAL NO-10**

**Create a MDI form containing 2 menus – Current Releases & Events. Current Releases opens a form containing some list of specific films in combo-box. When you select the name of the film, its information such as movie type(comedy/suspense/action/drama etc), producer should be displayed in labels. It should also show its ratings in the status bar. When you click on “Events”, it should open a form containing list of events in list box. The list of films & events should be read from an array-list.**

**Source code:**

**Main Form:**

Public Class Form1

Private Sub EventsToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles EventsToolStripMenuItem.Click

EventsForm.Show()

End Sub

Private Sub CurrentReleaseToolStripMenuItem\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CurrentReleaseToolStripMenuItem.Click

CurrRel.Show()

End Sub

End Class

**CurrRel:**

Public Class CurrRel

Private Sub ComboBox1\_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ComboBox1.SelectedIndexChanged

If (ComboBox1.SelectedIndex() = 0) Then

Label3.Text = "Love story"

Label4.Text = "Hero: Imran Khan Heroin:Sonam Kapoor"

ToolStripStatusLabel2.Text = "\*\*\*"

Label3.Visible = True

Label4.Visible = True

Label2.Visible = True

ElseIf (ComboBox1.SelectedIndex() = 1) Then

Label3.Text = "Comedy Movie"

Label4.Text = "Hero: Akshay Kumar,Paresh Rawal ,Sunil Shetty"

ToolStripStatusLabel2.Text = "\*\*\*\*\*"

Label3.Visible = True

Label4.Visible = True

Label2.Visible = True

End If

End Sub

Private Sub CurrRel\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Dim aListRel As New ArrayList

Dim films() As String = {"I Hate Luv Story", "Hera Pheri"}

aListRel.AddRange(films)

For Each itm In aListRel

ComboBox1.Items.Add(itm)

Next

End Sub

End Class

**EventsForm:**

Public Class EventsForm

Private Sub Events\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

Dim aListRel As New ArrayList

Dim films() As String = {"GetTogether", "Lakme Fasion Week"}

aListRel.AddRange(films)

For Each itm In aListRel

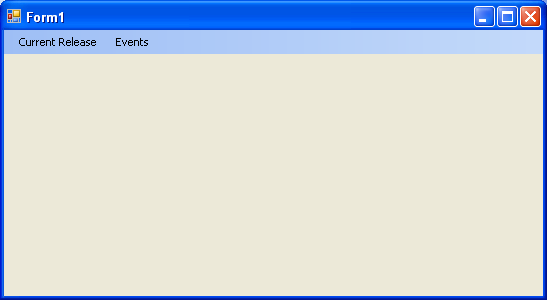
ListBox1.Items.Add(itm)

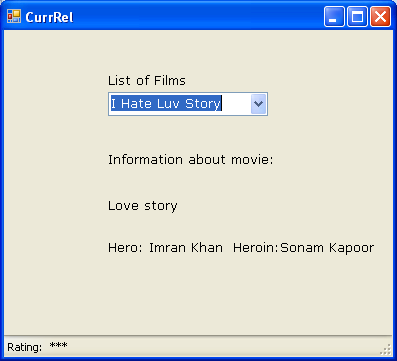
Next

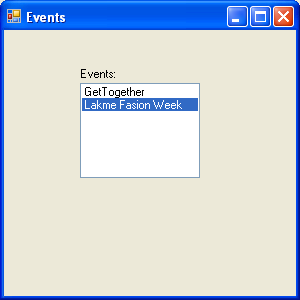
End Sub

End Class

**OUTPUT:**

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**PRACTICAL NO-11**

**Design a custom control called “FileSelector” containing a TextBox and Browse button. When you click on the button, file dialog should be opened using which one can select a file whose name is displayed in text box. Add three properties in the custom control called “File”, “Ext” that selects files with specific extension and “DefaultDir” that sets initial directory of file dialog. “File” property should be read-only. Also include an event called “FileSelected” which is fired when user selects a file using Browse button.**

**Source Code :**

Public Class FileSelector

Event FileSelected(ByVal sender As Object, ByVal e As EventArgs)

Private \_ext, \_defdir, \_file As String

Public Property Ext() As String

Get

Return \_ext

End Get

Set(ByVal value As String)

\_ext = value

OpenFileDialog1.Filter = "\*." & \_ext & "|\*." & \_ext

End Set

End Property

Public Property DefDir() As String

Get

Return \_defdir

End Get

Set(ByVal value As String)

\_defdir = value

OpenFileDialog1.InitialDirectory = \_defdir

End Set

End Property

Public ReadOnly Property File() As String

Get

Return \_file

End Get

End Property

Private Sub FileSelector\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

\_ext = "txt"

\_defdir = "h:\kamlakar"

OpenFileDialog1.Filter = "\*." & \_ext & "|\*." & \_ext

OpenFileDialog1.InitialDirectory = \_defdir

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

If OpenFileDialog1.ShowDialog = DialogResult.OK Then

TextBox1.Text = OpenFileDialog1.FileName

\_file = TextBox1.Text

RaiseEvent FileSelected(Nothing, Nothing)

End If

End Sub

End Class

Public Class Prg1

Private Sub Prg1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

FileSelector1.Ext = "txt"

End Sub

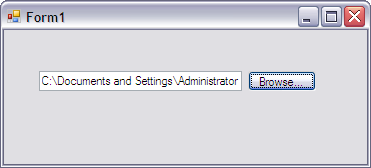
Private Sub FileSelector1\_FileSelected(ByVal sender As Object, ByVal e As System.EventArgs) Handles FileSelector1.FileSelected

MessageBox.Show("The name of the file is : " & FileSelector1.File)

End Sub

End Class

**OUTPUT:**



**PRACTICAL NO-12**

**Create a class Account containing 3 variables – accno, name, curbal. Add suitable constructors to create Account objects. Add 3 properties – AccNo, Name and CurBal. AccNo should be read-only property whose value should be automatically assigned by using static variable. Add a function called CheckStatus that returns account number along with current balance. Design a suitable application (Console/GUI) to test the above class. Note that the Account class should be in BankApp namespace.**

**Source code:**

Public Class Form1

Dim str As String

Dim cust1 As New Account

Dim cust2 As New Account

Private Sub TextBox2\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox2.TextChanged

cust1.C\_name = TextBox2.Text.Trim

End Sub

Private Sub TextBox3\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox3.TextChanged

cust1.CurBal = TextBox3.Text.Trim

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

TextBox4.Text = cust1.CheckStatus()

End Sub

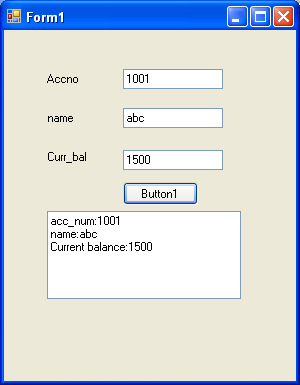
Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

TextBox1.Text = cust1.AccNo

End Sub

End Class

**OUTPUT:**

****

**PRACTICAL NO-13**

**Use Account class created in Practical F-2. Add 2 functions in it called withdraw and deposit which have integer parameter. Function deposit adds amount in current balance. Function withdraw is an abstract function. Create 2 subclasses of account – SavingsAcc & CurrentAcc. SavingsAcc should contain a variable representing minimum balance and a constructor to initialize it. It overrides withdraw function which deducts some amount from current balance only if remaining balance is greater than minimum balance. CurrentAcc should contain a variable representing overdraft and a constructor to initialize it. It should also override withdraw function which deducts some amount from current balance only if remaining balance is greater than 0 or money that you want to withdraw is greater than current balance plus overdraft. Design a suitable form to test the above two classes.**

**Source code:**

**Account:**

Public Class Account

Public acc\_no As Integer = 1001

Public cname As String, cur\_bal As Double

Public Sub New()

cname = ""

cur\_bal = 0

End Sub

Public ReadOnly Property AccNo() As Integer

Get

Return acc\_no

End Get

End Property

Public Property C\_name() As String

Get

Return cname

End Get

Set(ByVal value As String)

cname = value

End Set

End Property

Public Property CurBal() As String

Get

Return cur\_bal

End Get

Set(ByVal value As String)

cur\_bal = value

End Set

End Property

Public Function CheckStatus() As String

Dim str As String = "acc\_num:" & AccNo & vbCrLf & "name:" & C\_name & vbCrLf & "Current balance:" & CurBal

Return str

End Function

Overridable Function withdraw(ByVal amt As Integer) As Double

End Function

Public Function deposite(ByVal amt As Integer) As Double

cur\_bal = cur\_bal + amt

End Function

End Class

**SavingAcc:**

Public Class SavingsAcc

Inherits Account

Dim min\_bal As Double

Public Sub New()

min\_bal = 500.0

End Sub

Public Overrides Function withdraw(ByVal amt As Integer) As Double

If cur\_bal - CDbl(amt) > min\_bal Then

cur\_bal = cur\_bal - CDbl(amt)

CurBal = cur\_bal

MsgBox(CurBal)

Else

MsgBox("Minimum balance is not enough")

End If

Return cur\_bal

End Function

End Class

**CurrentAcc:**

Public Class CurrentAcc

Inherits Account

Dim overdraft As Double

Public Sub New()

overdraft = 1000

End Sub

Public Overrides Function withdraw(ByVal amt As Integer) As Double

If (cur\_bal - CDbl(amt)) > 0 Or CDbl(amt) > (cur\_bal + overdraft) Then

cur\_bal = cur\_bal - CDbl(amt)

CurBal = cur\_bal

MsgBox(CurBal)

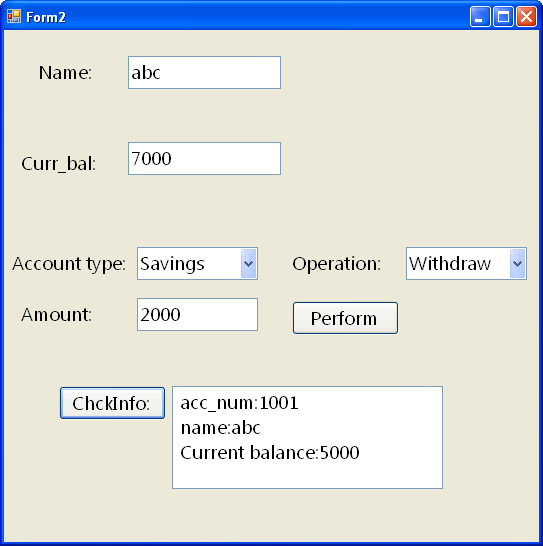
End If

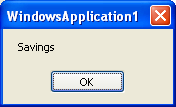
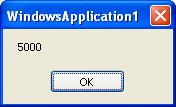
Return cur\_bal

End Function

End Class

**OUTPUT:**

****

** **

**PRACTICAL NO-14**

**For an Employee table containing EmpNo, EmpName & EmpSal, design a form that allows user to go through all employees using suitable button. Also include buttons that show total number of employees and maximum salary. [ Use Data Reader]**

**Source code:**

Imports System.Data.OleDb

Public Class Form1

Dim con As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=G:\VbNetPracts\Employee\Test.accdb")

Dim cnt, counter As Integer

Dim cmd As New OleDbCommand("select \* from Test", con)

Dim reader As OleDbDataReader

Dim enameList As New ArrayList

Dim enoList As New ArrayList

Dim esal As New ArrayList

Dim cmd1 As OleDbCommand

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

con.Open()

reader = cmd.ExecuteReader()

For Each Itm In reader

cnt = cnt + 1

enoList.Add(reader.Item("eid"))

enameList.Add(reader.Item("ename"))

esal.Add(reader.Item("salary"))

Next

TextBox1.Text = enoList(0)

TextBox2.Text = enameList(0)

TextBox3.Text = esal(0)

End Sub

Public Sub getRecord(ByVal n As Integer)

TextBox1.Text = enoList(n)

TextBox2.Text = enameList(n)

TextBox3.Text = esal(n)

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

counter = 0

getRecord(counter)

End Sub

Private Sub Button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

counter = counter + 1

If (counter >= cnt) Then

counter = 0

getRecord(counter)

Else

getRecord(counter)

End If

End Sub

Private Sub Button3\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click

counter = counter - 1

If (counter < 0) Then

counter = cnt - 1

getRecord(counter)

Else

getRecord(counter)

End If

End Sub

Private Sub Button4\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

counter = cnt - 1

getRecord(counter)

End Sub

Private Sub Button5\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click

cmd1 = New OleDbCommand("select count(\*) from Test", con)

Dim i As Integer

i = cmd1.ExecuteScalar

MsgBox("total num of employees is " & i)

End Sub

Private Sub Button6\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button6.Click

cmd1 = New OleDbCommand("select max(esal) from Test", con)

Dim i As Integer

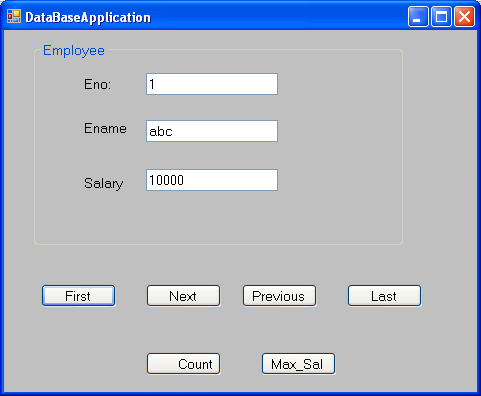
i = cmd1.ExecuteScalar

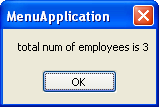
MsgBox("Maximum salary among employees is " & i)

End Sub

End Class

**OUTPUT:**

****

****

**ASP.NET**

**PRACTICAL NO-1**

1. **A software company wants to conduct placements for graduates in Mumbai or Pune. Design a web form to input student details such as name using textbox, course name such as BSc Comp Sci/IT/Phy/Maths using radio button, Marks in SSC,HSC, FY & SY along with Year of Passing using text boxes & Location such as Mumbai/Pune using combo box. The student is shortlisted only if he/she has min 60% in SSC & HSC, FY & SY average should be min 55% & there should not be any gap in education. When student clicks on Register button, the data is submitted to ASP.NET page which informs the student whether he/she qualifies and place of interview in Mumbai or Pune as given by the student**

**Prog1.aspx**

<% @ Page Language="vb" AutoEventWireup="false" CodeBehind="Prg2.aspx.vb" Inherits="CategoryE.Prg2" %>

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

<html xmlns="http://www.w3.org/1999/xhtml" >

<head runat="server">

<title>Untitled Page</title>

<style type="text/css">

.style1

{

margin-left: 180px;

}

</style>

</head>

<body>

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

<div>

<span lang="en-us">Enter Name :<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

</span>

</div>

<span lang="en-us">Qualification :<asp:RadioButtonList ID="RadioButtonList1"

runat="server" CssClass="style1">

<asp:ListItem Selected="True">BSc Comp Sci</asp:ListItem>

<asp:ListItem>BSc IT</asp:ListItem>

<asp:ListItem>Bsc Phy</asp:ListItem>

<asp:ListItem>BSc Maths</asp:ListItem>

</asp:RadioButtonList>

<br />

Acad Details&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

Marks(%)&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

Year of Passing(4 digit)</span><p>

<span lang="en-us">SSC&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

</span>

</p>

<p>

<span lang="en-us">HSC&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

</span></p>

<p>

<span lang="en-us">FY&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox7" runat="server"></asp:TextBox>

</span></p>

<p>

<span lang="en-us">SY&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox8" runat="server"></asp:TextBox>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox9" runat="server"></asp:TextBox>

</span></p>

<p>

<span lang="en-us">Location :&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:DropDownList ID="DropDownList1" runat="server">

<asp:ListItem>Mumbai</asp:ListItem>

<asp:ListItem>Pune</asp:ListItem>

</asp:DropDownList>

</span></p>

<p>

<asp:Button ID="Button1" runat="server" Text="Register" />

</p>

<asp:Label ID="Label1" runat="server"></asp:Label>

<br />

<br />

<asp:Label ID="Label2" runat="server"></asp:Label>

</form>

</body>

</html>

**SourceCode:**

**Public Partial Class Prg2**

Inherits System.Web.UI.Page

**Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs)Handles Me.Load**

**End Sub**

**Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As EventArgs) Handles Button1.Click**

Dim m1, y1, m2, y2, m3, y3, m4, y4 As Integer

m1 = Integer.Parse(TextBox2.Text)

m2 = Integer.Parse(TextBox4.Text)

m3 = Integer.Parse(TextBox6.Text)

m4 = Integer.Parse(TextBox8.Text)

y1 = Integer.Parse(TextBox3.Text)

y2 = Integer.Parse(TextBox5.Text)

y3 = Integer.Parse(TextBox7.Text)

y4 = Integer.Parse(TextBox9.Text)

If m1 > 60 And m2 > 60 And (m3 + m4) / 2 > 55 And (y4 - y1) = 4 Then

Label1.Text = "You qualify..."

If DropDownList1.Text = "Mumbai" Then

Label2.Text = "Place of Interview : VES College, Chembur"

Else

Label2.Text = "Place of Interview : University of Pune"

End If

Else

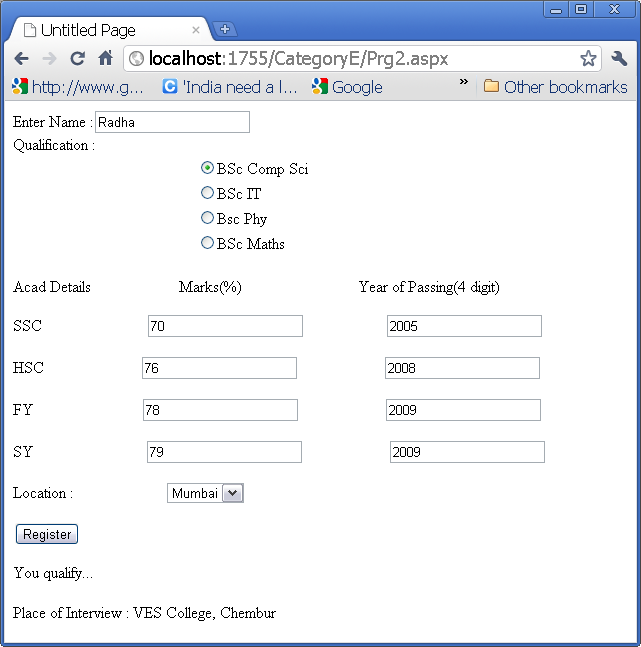
Label1.Text = "You dont qualify..."

End If

**End Sub**

**End Class**

**OUTPUT:**

****

**PRACTICAL NO:2**

**2. Design ticket enquiry form for a theater. Select location (Mumbai/Pune) using radio button. When user clicks a location, it fills a combo box with names of theaters in that city. When user selects the name of the theatre, the list of films currently shown and their show timings should be displayed in table[Use autopostback].**

**SOURCE CODE:**

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="THEATRE.aspx.vb" Inherits="THEATRE" %>

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

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>Untitled Page</title>

</head>

<body>

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

<div>

<span lang="en-us">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

Location :&nbsp;&nbsp;

<asp:RadioButton ID="RadioButton1" runat="server" AutoPostBack="True"

GroupName="loc" Text="Mumbai" />

&nbsp;&nbsp;&nbsp;

<asp:RadioButton ID="RadioButton2" runat="server" AutoPostBack="True" GroupName="loc" Text="Pune" />

<br />

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; Theaters :&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</span>

<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True">

</asp:DropDownList>

<br />

<br />

<span lang="en-us">&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:Table ID="Table1" runat="server">

</asp:Table>

</span>

</div>

</form>

</body>

</html>

**CODE:-**

Partial Class THEATRE

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

If Me.IsPostBack = False Then

Table1.BorderWidth = Unit.Pixel(1)

Table1.BorderStyle = BorderStyle.Inset

DropDownList1.Items.Add("select A theatre")

End If

End Sub

Protected Sub RadioButton2\_CheckedChanged(ByVal sender As Object, ByVal e As System.EventArgs) Handles RadioButton2.CheckedChanged

DropDownList1.Items.Clear()

DropDownList1.Items.Add("select A theatre")

DropDownList1.Items.Add("CityGem")

DropDownList1.Items.Add("CityStar")

End Sub

Protected Sub RadioButton1\_CheckedChanged(ByVal sender As Object, ByVal e As System.EventArgs) Handles RadioButton1.CheckedChanged

DropDownList1.Items.Clear()

DropDownList1.Items.Add("select A theatre")

DropDownList1.Items.Add("CityGold")

End Sub

Protected Sub DropDownList1\_SelectedIndexChanged(ByVal sender As Object, ByVal e As System.EventArgs) Handles DropDownList1.SelectedIndexChanged

Table1.Controls.Clear()

If DropDownList1.Text = "CityGem" Then

Dim row1, row2 As New TableRow()

Table1.Controls.Add(row1)

row1.Controls.Add(getcell("Show Timings"))

row1.Controls.Add(getcell("12PM"))

row1.Controls.Add(getcell("3PM"))

row1.Controls.Add(getcell("6PM"))

row1.Controls.Add(getcell("9PM"))

Table1.Controls.Add(row2)

row2.Controls.Add(getcell("Movie Name"))

row2.Controls.Add(getcell("Raanbhool"))

row2.Controls.Add(getcell("Anandi Anand"))

row2.Controls.Add(getcell("Badmash Company"))

row2.Controls.Add(getcell("Kites"))

ElseIf DropDownList1.Text = "CityStar" Then

Dim row1, row2 As New TableRow()

Table1.Controls.Add(row1)

row1.Controls.Add(getcell("Show Timings"))

row1.Controls.Add(getcell("12PM"))

row1.Controls.Add(getcell("3PM"))

row1.Controls.Add(getcell("6PM"))

row1.Controls.Add(getcell("9PM"))

Table1.Controls.Add(row2)

row2.Controls.Add(getcell("Movie Name"))

row2.Controls.Add(getcell("Raanbhool"))

row2.Controls.Add(getcell("Anandi Anand"))

row2.Controls.Add(getcell("Vihir"))

row2.Controls.Add(getcell("Kites"))

Else

Dim row1, row2, row3 As New TableRow()

Table1.Controls.Add(row1)

row1.Controls.Add(getcell("Show Timings"))

row1.Controls.Add(getcell("12PM"))

row1.Controls.Add(getcell("3PM"))

row1.Controls.Add(getcell("6PM"))

row1.Controls.Add(getcell("9PM"))

Table1.Controls.Add(row2)

row2.Controls.Add(getcell("Screen1"))

row2.Controls.Add(getcell("Avatar"))

row2.Controls.Add(getcell("shrek4"))

row2.Controls.Add(getcell("Shrek4"))

row2.Controls.Add(getcell("Kites"))

Table1.Controls.Add(row3)

row3.Controls.Add(getcell("Screen2"))

row3.Controls.Add(getcell("Kites"))

row3.Controls.Add(getcell("Kites"))

row3.Controls.Add(getcell("Kites"))

row3.Controls.Add(getcell("Kites"))

End If

End Sub

Public Function getcell(ByVal text As String) As TableCell

Dim cell As New TableCell()

cell.Text = text

cell.BorderWidth = Unit.Pixel(1)

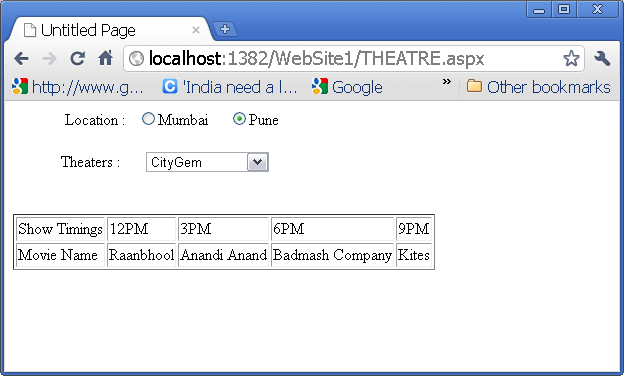
cell.BorderStyle = BorderStyle.Inset

Return cell

End Function

End Class

**OUTPUT:**



**PRACTICAL NO:3**

**3.** **For program 4, add validations – name should not be null, age should be within (21 to 100) & Email should be in specific format.**

**SOURCE CODE**

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Validations.aspx.vb" Inherits="Validations" %>

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

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>Untitled Page</title>

</head>

<body>

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

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<div>

<asp:Label ID="Label1" runat="server" Text="name"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"

ControlToValidate="TextBox1" ErrorMessage="should not be empty"></asp:RequiredFieldValidator>

<br />

<asp:Label ID="Label2" runat="server" Text="age"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<asp:RangeValidator ID="RangeValidator1" runat="server"

ControlToValidate="TextBox2" ErrorMessage="between 21-100" MaximumValue="100"

MinimumValue="21" Type="Integer"></asp:RangeValidator>

<br />

<asp:Label ID="Label3" runat="server" Text="email id"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"

ControlToValidate="TextBox3" ErrorMessage="invalid"

ValidationExpression="\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*"></asp:RegularExpressionValidator>

<br />

<br />

<asp:Button ID="Button1" runat="server" Text="Button" />

<br />

</div>

</form>

</body>

</html>

**CODE**

Partial Public Class Validations

Inherits System.Web.UI.Page

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click

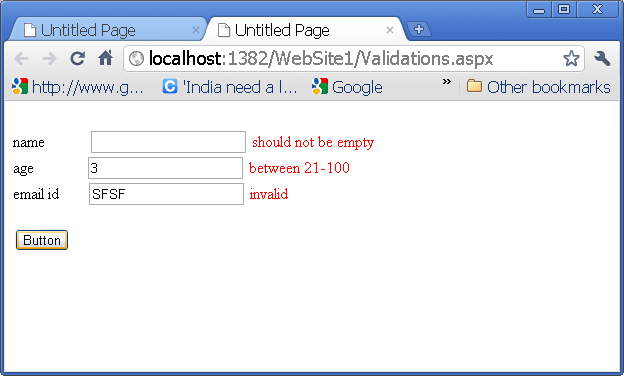
Session("uname") = TextBox1.Text

Response.Redirect("Prg4.aspx")

End Sub

End Class

**OUTPUT**



**PRACTICAL NO:4**

**3. A news channel wants to conduct a survey of some famous personalities of the year. The user initially inputs his/her name, age and email. The survey will be valid only if user is above 18 years of age and has an email id. First page allows user to select Best Sportsperson, 2nd page asks Best Writer and the third – Best Minister. At the end, it shows a thank you message with user’s name and shows all the choices made by him/her.**

**Validation.aspx.vb**

**Code:**

Partial Public Class Validations

Inherits System.Web.UI.Page

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click

Session("uname") = TextBox1.Text

Response.Redirect("sports.aspx")

End Sub

End Class

**Sports.aspx.vb**

**Source code:**

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="sports.aspx.vb" Inherits="sports" %>

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

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>Untitled Page</title>

</head>

<body>

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

<div>

<asp:Label ID="Label1" runat="server" Text="Enter sports person"></asp:Label>

<br />

<br />

<asp:DropDownList ID="DropDownList1" runat="server" Height="34px">

</asp:DropDownList>

</div>

<p>

<asp:Button ID="Button1" runat="server" Text="NEXT" />

</p>

</form>

</body>

</html>

**Code:**

Partial Class sports

Inherits System.Web.UI.Page

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click

Session("sports") = DropDownList1.SelectedItem

Response.Redirect("minister.aspx")

End Sub

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

If Me.IsPostBack = False Then

DropDownList1.Items.Clear()

DropDownList1.Items.Add("Sachin")

DropDownList1.Items.Add("Dhoni")

DropDownList1.Items.Add("Rahul")

End If

End Sub

End Class

**Writer.aspx.vb**

Partial Class writer

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

If Me.IsPostBack = False Then

DropDownList1.Items.Clear()

DropDownList1.Items.Add("Chetan Bhagat")

DropDownList1.Items.Add("Bayross")

DropDownList1.Items.Add("Wrox")

End If

End Sub

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click

Session("writer") = DropDownList1.SelectedItem

Response.Redirect("minister.aspx")

End Sub

End Class

**Minister.aspx.vb**

Partial Class minister

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

If Me.IsPostBack = False Then

DropDownList1.Items.Clear()

DropDownList1.Items.Add("Rahul Gandhi")

DropDownList1.Items.Add("Sharad Pawar")

DropDownList1.Items.Add("Supriya Sule")

End If

End Sub

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click

Session("minister") = DropDownList1.SelectedItem

Response.Redirect("last.aspx")

End Sub

End Class

**Last.aspx.vb**

Partial Public Class last

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

Response.Write("Hello " & Session("uname").ToString())

Response.Write("<br> Your selections are as follows : <br>")

Response.Write("<br> Favorite sportsperson : " & Session("sports").ToString())

Response.Write("<br> Favurite writer : " & Session("writer").ToString())

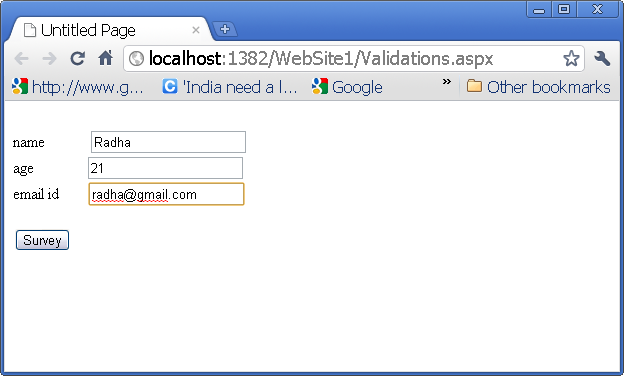
Response.Write("<br>Favorite Minister : " & Session("minister").ToString())

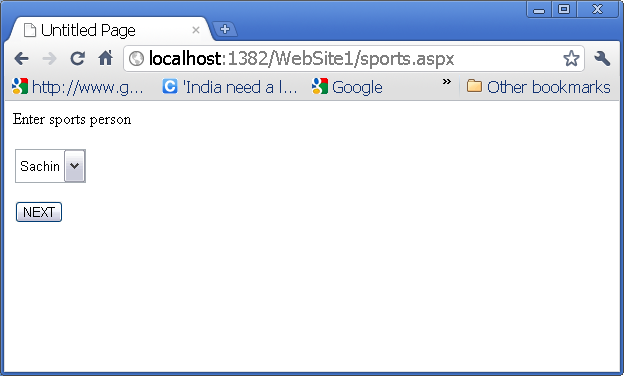
Response.Write("<br> thank you for registering your vote...")

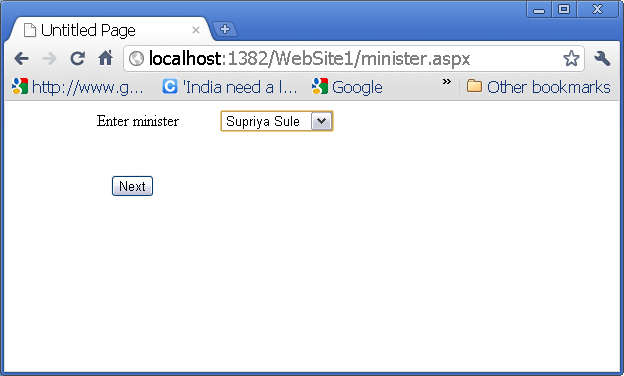
End Sub

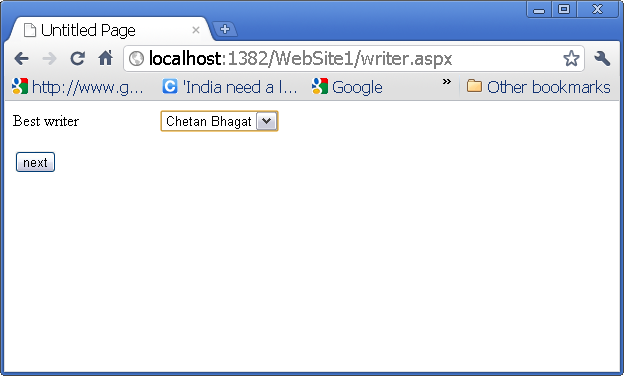
End Class

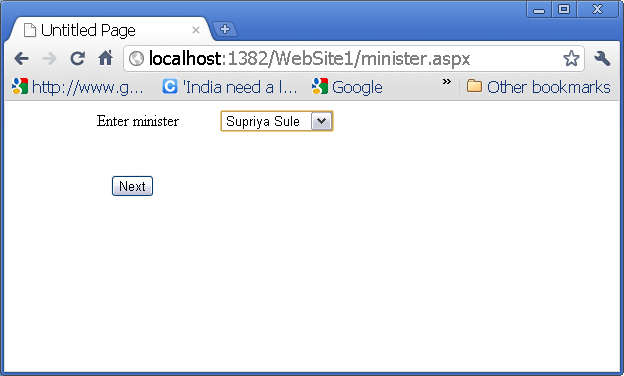
**OUTPUT:**

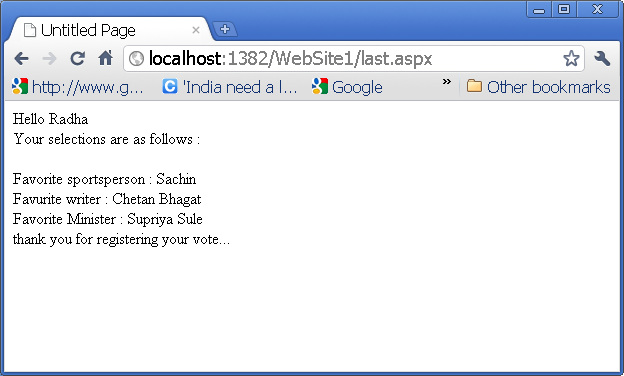
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**PRACTICAL NO:5**

**4**. **A bank wants to keep an enquiry page for inquiring about home loan. The rates of these loans are stored in configuration file and the rates are different for various span of years(5/10/15). The user types the loan amount & selects the number of years for repayment of loan(5/10/15) from combo box. In return, the user gets information of the rate of loan, monthly installment for the specified number of years and total number of enquiries since the server started.[Use Web Configuration files and events]**

**SOURCECODE:-**

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb" Inherits="\_Default" %>

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

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

<title>Untitled Page</title>

</head>

<body>

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

<asp:Label ID="Label1" runat="server" Text="LOAN AMOUNT"></asp:Label>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<div>

<asp:Label ID="Label2" runat="server" Text="RATE OF REPAYMENT"></asp:Label>

&nbsp;&nbsp;&nbsp;

<asp:DropDownList ID="DropDownList1" runat="server">

<asp:ListItem>10</asp:ListItem>

<asp:ListItem>20</asp:ListItem>

<asp:ListItem>15</asp:ListItem>

<asp:ListItem></asp:ListItem>

</asp:DropDownList>

<br />

<br />

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<br />

</div>

<p>

<asp:Button ID="Button1" runat="server" Text="SUBMIT" />

</p>

<p>

<asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>

</p>

</form>

</body>

</html>

**CODE:-**

Imports System.Web.Configuration

Partial Public Class \_Default

Inherits System.Web.UI.Page

Protected Sub Button1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim amt, rate, yr As Single

yr = Integer.Parse(DropDownList1.Text)

rate = Single.Parse(WebConfigurationManager.AppSettings(DropDownList1.Text))

amt = Single.Parse(TextBox1.Text)

amt = amt + (amt / 100 \* rate)

Label3.Text = "Rate of interest : " & rate & " Total Amount payable : " & amt & " & Your monthly installment will be " & amt / (yr \* 12)

End Sub

End Class

**Web.config:-**

<configuration>

<configSections>

<sectionGroup name="system.web.extensions" type="System.Web.Configuration.SystemWebExtensionsSectionGroup, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">

<sectionGroup name="scripting" type="System.Web.Configuration.ScriptingSectionGroup, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">

<section name="scriptResourceHandler" type="System.Web.Configuration.ScriptingScriptResourceHandlerSection, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" requirePermission="false" allowDefinition="MachineToApplication"/>

<sectionGroup name="webServices" type="System.Web.Configuration.ScriptingWebServicesSectionGroup, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35">

<section name="jsonSerialization" type="System.Web.Configuration.ScriptingJsonSerializationSection, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" requirePermission="false" allowDefinition="Everywhere"/>

<section name="profileService" type="System.Web.Configuration.ScriptingProfileServiceSection, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" requirePermission="false" allowDefinition="MachineToApplication"/>

<section name="authenticationService" type="System.Web.Configuration.ScriptingAuthenticationServiceSection, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" requirePermission="false" allowDefinition="MachineToApplication"/>

<section name="roleService" type="System.Web.Configuration.ScriptingRoleServiceSection, System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyToken=31BF3856AD364E35" requirePermission="false" allowDefinition="MachineToApplication"/>

</sectionGroup>

</sectionGroup>

</sectionGroup>

</configSections>

<appSettings>

<add key="10" value="5"/>

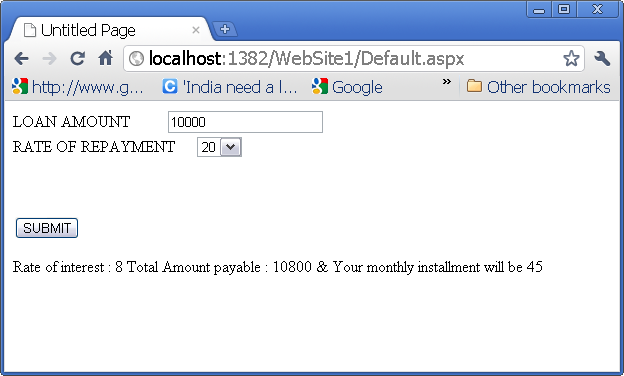
<add key="20" value="8"/>

<add key="15" value="12"/>

</appSettings>

<connectionStrings/>

**OUTPUT**



**PRACTICAL NO:6**

**5. Design a page that contains some list of theaters of Famous Cinemas in list box. It should also contain a link button that navigates to a page that displays time table of movies of selected theatre. Store the output of the first page in cache. When user selects theatre, the time table should be read from cache if it exists(Use Output & Data Cache).**

**Theatrecache.aspx.vb**

Partial Class Theatrecache

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

If Me.IsPostBack = False Then

DropDownList1.Items.Clear()

DropDownList1.Items.Add("select A theatre")

DropDownList1.Items.Add("CityGem")

DropDownList1.Items.Add("CityStar")

DropDownList1.Items.Add("CityGold")

End If

End Sub

Protected Sub LinkButton1\_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles LinkButton1.Click

Session("Theatre") = DropDownList1.Text

Response.Redirect("theatrecachelink.aspx")

End Sub

End Class

**Theatrecachelink.aspx.vb**

Partial Class theatrecachelink

Inherits System.Web.UI.Page

Protected Sub Page\_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load

Dim th As String

th = CType(Session("Theatre"), String)

If th = "CityGem" Then

If Cache("CityGem") Is Nothing Then

Dim table As String

table = "<table border=1>"

table &= "<tr>"

table &= getcellhead("Show Timings")

table &= getcellhead("12PM")

table &= getcellhead("3PM")

table &= getcellhead("6PM")

table &= getcellhead("9PM")

table &= "</tr>"

table &= "<tr>"

table &= getcell("Movie Name")

table &= getcell("Raanbhool")

table &= getcell("Anandi Anand")

table &= getcell("Badmash Company")

table &= getcell("Kites")

table &= "</tr>"

table &= "</table>"

Label1.Text = table

Cache.Insert("CityGem", table, Nothing, DateTime.Now.AddSeconds(30), TimeSpan.Zero)

Else

Response.Write("Reading from cache...")

Label1.Text = CType(Cache("CityGem"), String)

End If

ElseIf th = "CityStar" Then

If Cache("CityStar") Is Nothing Then

Dim table As String

table = "<table border=1>"

table &= "<tr>"

table &= getcellhead("Show Timings")

table &= getcellhead("12PM")

table &= getcellhead("3PM")

table &= getcellhead("6PM")

table &= getcellhead("9PM")

table &= "</tr>"

table &= "<tr>"

table &= getcell("Movie Name")

table &= getcell("Raanbhool")

table &= getcell("Anandi Anand")

table &= getcell("Vihir")

table &= getcell("Kites")

table &= "</tr>"

table &= "</table>"

Label1.Text = table

Cache.Insert("CityStar", table, Nothing, DateTime.Now.AddSeconds(30), TimeSpan.Zero)

Else

Response.Write("Reading from cache...")

Label1.Text = CType(Cache("CityStar"), String)

End If

Else

If Cache("CityGold") Is Nothing Then

Dim table As String

table = "<table border=1>"

table &= "<tr>"

table &= getcellhead("Show Timings")

table &= getcellhead("12PM")

table &= getcellhead("3PM")

table &= getcellhead("6PM")

table &= getcellhead("9PM")

table &= "</tr>"

table &= "<tr>"

table &= getcell("Screen1")

table &= getcell("Avatar")

table &= getcell("Shrek4")

table &= getcell("Shrek4")

table &= getcell("Kites")

table &= "</tr>"

table &= "<tr>"

table &= getcell("Screen2")

table &= getcell("Kites")

table &= getcell("Kites")

table &= getcell("Kites")

table &= getcell("Kites")

table &= "</tr>"

table &= "</table>"

Label1.Text = table

Cache.Insert("CityGold", table, Nothing, DateTime.Now.AddSeconds(30), TimeSpan.Zero)

Else

Response.Write("reading from cache...")

Label1.Text = CType(Cache("CityGold"), String)

End If

End If

End Sub

Public Function getcell(ByVal text As String) As String

Dim cell As String

cell = "<td>" & text & "</td>"

Return cell

End Function

Public Function getcellhead(ByVal text As String) As String

Dim cell As String

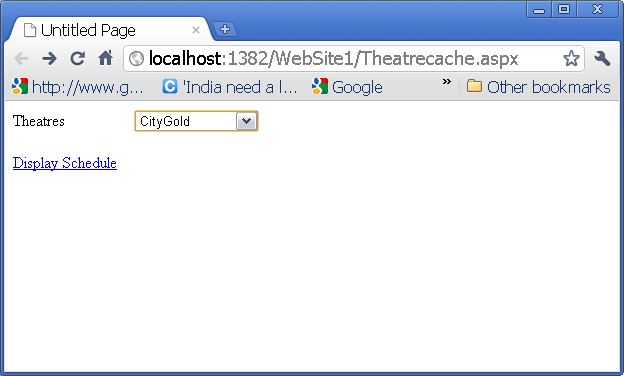
cell = "<th>" & text & "</th>"

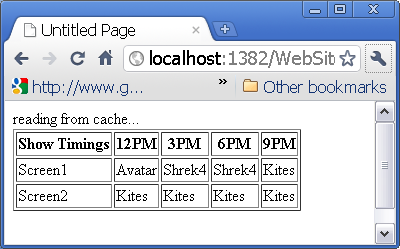
Return cell

End Function

End Class

**OUTPUT:**

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