KARPAGAM ACADEMY OF HIGHER EDUCATION

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DEPARTMENT OF COMPUTER SCIENCE

VISUAL PROGRAMMING LAB(15CSU511)

III B.Sc COMPUTER SCIENCE

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ASP.NET

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ASP.NET

EX.NO: 11

FACTORIAL

AIM:

To write an asp.net program to calculate factorial

ALGORITHM:

Step 1 : Start the process.

Step 2 : Open microsoft visual studio and create new website form to calculate fibonnacci and factorial.

Step 3 : Place two textbox and two button inside the two forms.

- Step 4 : If you click the calculate button the output has to be displayed in the msgbox for factorial.
- Step 5 : If you click the clear button value given in the textbox has to be cleared for both the forms.

Step 6: Save the form and excute the program.

Step 7 : Display the output and stop the process.

FORM DESIGN:

WebApplication 2 - Microsoft Visual Studio			
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Style Application: Manual • Target Rule: (New Inline Style) • 🖅 🖏 🖕			
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enter the value			
calculate clear			
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		•	8/24/2017

CODING:

Partial Public Class _Default Inherits System.Web.UI.Page

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load TextBox1.Focus() End Sub

Protected Sub Button2_Click(ByVal sender As ` Object, ByVal e As EventArgs) Handles Button2.Click TextBox1.Text = "" TextBox1.Focus() End Sub

Protected Sub Button4_Click(ByVal sender As Object, ByVal e As EventArgs) Handles Button4.Click Dim n, f, i As Integer f = 1n = Val(TextBox1.Text)For i = 1 To n f = f * iNext MsgBox("factorial is:" & f, vbInformation, "factorial") End Sub End Class

OUTPUT:

$ \in \rightarrow X$	D localhost.49309/Default.aspx	☆ :
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	Clear Clear	
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	Thus the shows program is everyted and the entert is werified an effective	
	i nus the above program is executed and the output is verified successfully.	

EX.NO: 11A

FIBONNACCI

<u>AIM:</u>

To write an asp.net program to calculate fibonnacci.

ALGORITHM:

- Step 1 : Start the process.
- Step 2 : Open microsoft visual studio and create new website form to calculate fibonnacci.
- Step 3 : Place two textbox and two button inside the two forms.
- Step 4 : If you click the calculate button the output has to be displayed in the listbox for fibonnacci.
- Step 5 : If you click the clear button value given in the textbox has to be cleared for both the forms.
- Step 6 : Save the form and excute the program.
- Step 7 : Display the output and stop the process.

FORM DESIGN:

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CODING:

Partial Public Class _Default Inherits System.Web.UI.Page Dim f1, f2, f3, n As Integer

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load TextBox1.Focus() End Sub

Protected Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles Button1.Click Dim i As Integer n = Val(TextBox1.Text)f1 = -1f2 = 1For i = 1 To n f3 = f1 + f2ListBox1.Items.Add(f3) f1 = f2f2 = f3Next End Sub

Protected Sub Button2_Click(ByVal sender As Object, ByVal e As EventArgs) Handles Button2.Click ListBox1.Items.Clear() TextBox1.Text = "" TextBox1.Focus() End Sub End Class

OUTPUT:

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enter the value	5	0				
calculate	clear	3				
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RESULT:

Thus the above program is executed and the output is verified successfully.

EX.NO: 12

COOKIES

<u>AIM:</u>

To write a ASP.NET program to retrive a cookie Information.

ALGORITHM:

STEP 1: Create a new website.

STEP 2: Select a Default page.

STEP 3: Design a form with appropriate controls.

STEP 4: Write the codings inside the controls.

STEP 5: Create a new two default.aspx page.

STEP 6: Save and Run Application.

FORM DESIGN:

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CODING:

Default.aspx.vb:

Partial Public Class _Default Inherits System.Web.UI.Page Protected Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs) Handles Button1.Click Response.Cookies("book")("book.name") = TextBox1.Text Response.Cookies("book")("au.name") = TextBox2.Text Response.Cookies("book")("publisher") = TextBox3.Text Response.Cookies("book").Expires = Now.AddDays(1) End Sub

Protected Sub Button2_Click(ByVal sender As Object, ByVal e As EventArgs) Handles Button2.Click Response.Redirect("default.aspx") End Sub End Class

Webform1:

Public Partial Class WebForm1 Inherits System.Web.UI.Page

Protected Sub Page Load(ByVal sender As Object, ByVal e As System. EventArgs) Handles Me.Load Dim cook As String Dim an As String Dim pub As String Dim exp As String Response.Write("
") Response.Write("cookies information retrived") Response.Write("
") Response.Write("</br>") If Not Request.Cookies("book")("book.name") Is Nothing Then cook = Request.Cookies("book")("book.name") an = Request.Cookies("book")("au.name") pub = Request.Cookies("book")("publisher") exp = Request.Cookies("book")("due date") Response.Write("
") Response.Write("bookname:" & cook) Response.Write("
") Response.Write("Au.name:" & an) Response.Write("
") Response.Write("publisher:" & pub)

Response.Write("<
") Response.Write("due date:" & exp) Response.Write("
")

End If End Sub

End Class

OUTPUT:



RESULT:

Thus the above program is executed and the output is verified successfully.

EX NO :13

WEBPAGE HITS

<u>AIM:</u>

To write a ASP.NET program to count web page hits.

ALGORITHM:

Step 1: Start the process

Step 2: To count the web page links

Step 3: Insert 3 TextBox for 3 variables pp, ss ,pvs.

Step 4: Write a program using global.asax of

- Application. Start.
- o Session. Start.
- \circ Session. End.
- Application_BeginRequest.

Step 5: Stop the process.

Step 6: Copy the output.

FORM DESIGN:

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CODING:

Partial Public Class _Default Inherits System.Web.UI.Page

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load TextBox1.Text = Application("pp") TextBox2.Text = Application("ss") TextBox3.Text = Application("pvs") End Sub End Class Imports System.Web.SessionState Public Class Global_asax Inherits System.Web.HttpApplication

Sub Application_Start(ByVal sender As Object, ByVal e As EventArgs) Application("pp") = 0 Application("ss") = 0 Application("pvs") = 0 End Sub

```
Sub Session_Start(ByVal sender As Object, ByVal e As EventArgs)
Application.Lock()
Application("pp") = Application("pp") + 1
Application.UnLock()
End Sub
```

```
Sub Application_BeginRequest(ByVal sender As Object, ByVal e As System.EventArgs)
Application.Lock()
Application("pvs") = Application("pvs") + 1
Application.UnLock()
End Sub
Sub Session_End(ByVal sender As Object, ByVal e As EventArgs)
Application.Lock()
Application("ss") = Application("ss") + 1
Application.UnLock()
End Sub
End Class
```

OUTPUT:

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RESULT:

Thus the above program is executed and the output is verified successfully.

EX NO :14

CALCULATOR

<u>AIM:</u>

To write a ASP.NET program to implement the Calculator.

ALGORITHM:

STEP 1: Start the process.

STEP 2: Create One Text Box and 19 Buttons in Form.

STEP 3: Double click the Buttons 1 to 11 and write

Text Box1=TextBox1.Text+Button1.Text

STEP 4: Double click the Button, Clear Button and write Appropriate Coding for that.

STEP 5: Click the Debug option to get the output Form.

STEP 6: Stop the process.

CODING:

Public Class Form1

Dim op, temp As Integer

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click

TextBox1.Text = TextBox1.Text + Button3.Text

End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

TextBox1.Text = TextBox1.Text + Button1.Text

End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

TextBox1.Text = TextBox1.Text + Button2.Text

End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

TextBox1.Text = TextBox1.Text + Button4.Text

End Sub

Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click

TextBox1.Text = TextBox1.Text + Button5.Text

End Sub

Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button6.Click

TextBox1.Text = TextBox1.Text + Button6.Text

End Sub

Private Sub Button7_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button7.Click

TextBox1.Text = TextBox1.Text + Button7.Text

End Sub

Private Sub Button8_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button8.Click

TextBox1.Text = TextBox1.Text + Button8.Text

End Sub

Private Sub Button9_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button9.Click

TextBox1.Text = TextBox1.Text + Button9.Text

End Sub

Private Sub Button11_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button11.Click

TextBox1.Text = TextBox1.Text + Button11.Text

End Sub

Private Sub Button10_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button10.Click

TextBox1.Text = TextBox1.Text + Button10.Text

End Sub

Private Sub Button12_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button12.Click

Select Case op

Case 1

TextBox1.Text = CStr(Val(temp) + Val(TextBox1.Text))

Case 2

TextBox1.Text = Val(temp) - Val(TextBox1.Text)

Case 3

TextBox1.Text = Val(temp) * Val(TextBox1.Text)

Case 4

TextBox1.Text = Val(temp) / Val(TextBox1.Text)

End Select

End Sub

Private Sub Button13_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button13.Click

temp = TextBox1.Text

TextBox1.Text = " "

op = 1

End Sub

Private Sub Button14_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button14.Click

temp = TextBox1.Text

TextBox1.Text = " "

op = 2

End Sub

Private Sub Button15_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button15.Click

temp = TextBox1.Text

TextBox1.Text = " "

op = 3

End Sub

Private Sub Button16_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button16.Click

temp = TextBox1.Text

TextBox1.Text = " "

op = 4

End Sub

Private Sub Button18_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button18.Click

If TextBox1.Text.Length <> 0 Then

temp = CDbl(TextBox1.Text)

temp = System.Math.Sqrt(temp)

TextBox1.Text = CStr(temp)

End If

End Sub

Private Sub Button17_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button17.Click

Dim i As Integer

If TextBox1.Text.Length > 0 Then

i = TextBox1.Text.Length

TextBox1.Text = TextBox1.Text.Remove(i - 1, 1)

End If

End Sub

Private Sub TextBox1_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox1.TextChanged

End Sub

Private Sub Button20_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button20.Click

Me.Close()

End Sub

Private Sub Button19_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button19.Click TextBox1.Clear()

End Sub

End Class

OUTPUT:

	The Party Name		
	CALC	ULATOR	
4			
1	2	3	+
4	5	6	-
7	8	9	•
	0	=	/
back	sqr	clear	close

RESULT:

Thus the above program is executed and the output is verified successfully.

EX NO:15

STUDENT INFORMATION

<u>AIM :</u>

To write a ASP.NET program for database connectivity to retrieve student information.

ALGORITHM:

STEP 1: Start the process.

STEP 2: Create new web site project in asp.net.

- STEP 3: In Server Explorer add new database connection and create new table in it.
- STEP 4: In designing part, insert the necessary controls along with grid option .
- STEP 5: Write the coding for insert, update, delete and clear button using SQL query.

STEP 6: Debug the program.

STEP 7: Stop the process.

CODING:

Imports System.Data.SqlClient Partial Class _Default Inherits System.Web.UI.Page

Dim con As SqlConnection Dim cmd As SqlCommand Dim dr As SqlDataReader Protected Sub Button1_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button1.Click cmd = New SqlCommand(" insert into student values ("" & TextBox1.Text & " ', "" & TextBox2.Text & "', "' & TextBox2.Text & "') ", con) cmd.ExecuteNonQuery() MsgBox("Successfully inserted") cmd.Dispose() con.Close() End Sub Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load con = New SqlConnection("Data Source=.\SQLEXPRESS;AttachDbFilename=C:\Users\user1234\Documents\sample.mdf;Integra ted Security=True;Connect Timeout=30;User Instance=True") con.Open() End Sub Protected Sub Button2_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button2.Click Dim a As String a = TextBox2.Textcmd = New SqlCommand("Update student set SName= 'vimal' where SName= ' " & a &"''',con) cmd.ExecuteNonQuery() MsgBox("UPDATED")

cmd.Dispose() con.Close() End Sub Protected Sub Button4_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button4.Click Dim a As String a = TextBox2.Text cmd = New SqlCommand("delete from student where SName=' " & a & "'", con) cmd.ExecuteNonQuery() MsgBox("deleted") cmd.Dispose() con.Close() End Sub Protected Sub Button5_Click(ByVal sender As Object, ByVal e As System.EventArgs) Handles Button5.Click TextBox1.Text = "" TextBox2.Text = "" TextBox3.Text = "" End Sub End Class

OUTPUT:

Untitled	d Page X	
$\leftarrow \rightarrow \times$	(i) localhost:49249/Students/Defa	ault.aspx
ID	1	
Name	abina∨	
Result	pass	
[delete Clear	Update
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1 abinav	Successfully inserted	
l	ОК	

RESULT:

Thus the above program is executed and the output is verified successfully.



KARPAGAM ACADEMY OF HIGHER EDUCATION Karpagam University (Deemed University Established Under Section 3 of UGC Act 1956) COIMBATORE – 641 021 DEPARTMENT OF COMPUTER SCIENCE, CA & IT

SUBJECT: VISUAL PROGRAMMING LABSEMESTER: VL T P CSUBJECT CODE: 15CSU511CLASS: III B.Sc.CS0 0 5 3

LIST OF PRACTICALS

- 1. Calculate Simple interest and compound Interest
- 2. Find mouse events and coordinates where the mouse is clicked.
- 3. Implement Notepad
- 4. Draw several shapes and fill with color.
- 5. Perform the following in list box
 - a) Add an item
 - b) Delete an item
 - c) List count
 - d) Clear the List
- 6. Calculate the days elapsed between the given two dates.
- 7. Create Menu and link multiple forms with different colors.
- 8. Animate the picture using animation control.
- 9. Implement Employee Payroll using ADO.
- 10. Create and manipulate a File.

ASP.Net

- 11. Write a program to create a Web-based calculator.
- 12. Write a program for database connectivity to retrieve student information.
- 13. Write a program to retrieve Cookies information.
- 14. Write a program to count web page hits.
- 15. Write a program to find Fibonacci series and Factorial of a given number.

ESE MARKS ALLOCATION

1	Program I	20
2	Program II	20
3	Viva-voce	10
4	Record	10
	Total	60

KARPAGAM ACADEMY OF HIGHER EDUCATION

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Coimbatore-641021.



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DEPARTMENT OF COMPUTER SCIENCE

VISUAL PROGRAMMING LAB(15CSU511)

III B.Sc COMPUTER SCIENCE

INDEX

VB.NET

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3	MOUSE EVENTS
4	DATE DIFFERENCE
5	SHAPES
6	ANIMATION
7	LINK MULTIPLE FORMS
8	NOTEPAD
9	FILE MANIPULATION
10	EMPLOYEE PAYROLL CALCULATION

EX NO:1

SIMPLE INTEREST & COMPOUND INTEREST

<u>AIM:</u>

To write a program to calculate the Simple Interest and Compound Interest.

ALGORITHM:

Step 1 : Start the process.

Result button.

- Step 2 : In form design, place the Label boxes, Text Boxes and Buttons.
- Step 3 : Replace the name of the labels and button using its corresponding properties.
- Step 4 : In button_1 click event, declare p, n, r as Integer and input the values for p, n, r and check whether all fields are given.
- Step 5 : If all the values are given, calculate the SI using the formula SI=(p*n*r)/100.
- Step 6 : In button_2 click event, declare p, n, r and input the values for p, n, r and calculate CI using the Formula CI=(p*Math.Pow((1+r/100),n)) and display the two results in the

Step 7 : In button_3 click event, specifying the coding for clearing the text boxes.Step 8 : Stop the process.
FORM DESIGN:



CODING :

Public Class Form1 Dim p, ny, rt As Integer Dim si, ci, handlesTextBox2

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click p = TextBox1.Text ny = TextBox2.Text rt = TextBox3.Text si = (p * ny * rt) / 100 TextBox4.Text = si End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click p = TextBox1.Text ny = TextBox2.Text rt = TextBox3.Text ci = p * Math.Pow((1 + (rt / 100)), ny) TextBox4.Text = ci End Sub

Private Sub Label1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label1.Click If TextBox1.Text.Length = 0 Then MsgBox("please enter the priciple amount") End If End Sub

Private Sub Label2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label2.Click If TextBox2.Text.Length = 0 Then MsgBox("please enter the no of years ") End If End Sub

Private Sub Label3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label3.Click If TextBox3.Text.Length = 0 Then MsgBox("please enter the rate of intrest value") TextBox3.Focus() End If End Sub

OUTPUT :

Porm1	Statement Street State	-	Contraction of the local division of the loc		
_					
	principle of amount	50			
	no of years	2			
	rate of interest	2			
	Tate of interest	-			
	result	2			
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RESULT :

Thus the above vb.net program is running successfully and the output was verified.

Ex No :2

LISTBOX OPERATIONS

<u>AIM:</u>

To write a VB.NET program to perform the following in ListBox

- a) Add an item
- b) Delete an item
- c) List count
- d) Clear the list

ALGORITHM:

Step 1: Start the process.

- Step 2: In the form design window, place the buttons, textbox and listbox.
- Step 3: Replace the name of the label and buttons by using their corresponding properties.

Step 4: Add Button is used to add new item in List Box.

Step 5: In this form Count Button is used to display the number of items in listBox.

Step 6: Delete Button is used to delete the item in List Box.

Step 7: Clear Button is used to clear all the items.

Step 8: Debug the program.

Step 9: Stop the process.

FORM DESIGN :

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All Windows Forms	· · · ·	T 🗟 🗿 🗊 🗉 🕹
Common Controls		WindowsApplication3
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CODING :

Public Class Form1

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click ListBox1.Items.Add(TextBox2.Text) TextBox2.Focus()

End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click ListBox1.Items.Remove(ListBox1.SelectedItem) TextBox2.Clear() End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click TextBox2.Text = ListBox1.Items.Count()

End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click ListBox1.Items.Clear() TextBox2.Clear() End Sub

OUTPUT :	
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RESULT:

Thus the above vb.net program is running successfully and the output isverified.

EX.NO :3

MOUSE EVENTS

AIM:

To write a program to find the mouse events and coordinates where the mouse is clicked

ALGORITHM:

Step1: Start the process.

Step 2: In the form design window place the label and text box.

Step 3: Replace the name of the label and button by using corresponding

properties

Step 4: In the form1_mouse enter event is declared then the textbox will display as mouse in.

Step 5: Form1_mouse leave event is declared then the textbox will as mouse out.

Step 6: Form1_mouse down event is declared.

Step 7: Execute the output and

Step 8: Stop the process

FORM DESIGN :

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CODING:

Public Class Form1

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Me.Close() End Sub

Private Sub TextBox1_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Me.MouseEnter TextBox1.Text = ("MOUSE IN") TextBox2.Clear() TextBox3.Clear() End Sub

Private Sub TextBox3_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Me.MouseDown TextBox3.Text = "MOUSE DOWN" TextBox1.Clear() TextBox2.Clear() End Sub

Private Sub TextBox2_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Me.MouseLeave TextBox2.Text = ("MOUSE OUT") TextBox3.Clear() TextBox1.Clear() End Sub

End Class

OUTPUT :

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RESULT:

Thus the above vb.net program is running successfully and the output was verified.

EX NO :4

DATE DIFFERENCE

<u>AIM:</u>

To write a VB.NET program to calculate the day elapsed between the given two dates.

ALGORITHM:

- STEP 1: Start the process.
- STEP 2: In the form design window, place the label box, textbox, button and date time picture.
- STEP 3: Replace the name of the label and buttons by using there corresponding properties.
- STEP 4: In the button1.click event, declare d1, d2 as date, diff as integer and as integer.
- STEP 5: Find the difference of two date by using diff=d2. Subtract (d1) and display the days in integer by using day=diff.totaldays and display init the textbox by using TextBox1.Text=cstr (day).
- STEP 6: Stop the process.

FORM DESIGN :

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CODING:

Public Class Form1 Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Dim d1, d2 As Date Dim diff As TimeSpan Dim d As Integer d1 = DateTimePicker1.Value d2 = DateTimePicker2.Value diff = d2.Subtract(d1) d = diff.Days TextBox1.Text = CStr(d)

End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click TextBox1.Clear() End Sub

OUTPUT :

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RESULT:

Thus the above vb.net program is running successfully and the output was verified.

EX No: 5

SHAPES

<u>AIM:</u>

To write a VB.NET program to draw the shapes and fill with color.

ALGORITHM:

Step 1: Start the process.

Step 2: Open visual studio, create a new project and display from on it

Step 3: Create a one button for shapes.

- Step 4: In coding window, declare the line, ellipse, rectangle, arc,etc.
- Step 5: Write the graphics function in each button to draw the appropriate shapes.

Step 6: Execute the process.

Step 7: Stop the program.

FORM DESIGN :

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CODING:

Public Class Form1 Dim graph As Graphics

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Dim mypen As New Pen(Color.Blue, 2) graph = Me.CreateGraphics graph.DrawLine(mypen, 10, 250, 100, 250)

End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click Dim mypen As New Pen(Color.Brown, 2) graph = Me.CreateGraphics graph.DrawRectangle(mypen, 125, 125, 125, 125) End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click Dim mypen As New Pen(Color.YellowGreen, 5) graph = Me.CreateGraphics graph.DrawEllipse(mypen, 100, 120, 80, 100) End Sub End Class

OUTPUT :

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RESULT:

Thus the above vb.net program is running successfully and the output was verified.

EX NO:6

ANIMATION

AIM:

To write a VB.NET program to generate Animation.

ALGORITHM:

Step 1 : Start the process.

Step 2 : Choose two Buttons from Tool Box and place it in the Form.

Step 3 : Place eight picture boxes and insert the picture in it.

Step 4 : Place the Timer control into component tray.

Step 5 : Double click the Timer control and write the appropriate coding.

Step 6 : After creating it, run the Program by executing by pressing F5.

Step 7 : End the Process.

FORM DESIGN:

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CODING :

Public Class Form1

Private Sub Timer1_Tick(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Timer1.Tick If PictureBox7.Visible = True Then PictureBox7.Visible = False PictureBox6.Visible = True PictureBox6.Visible = True ElseIf PictureBox6.Visible = True Then PictureBox6.Visible = False PictureBox5.Visible = True ElseIf PictureBox5.Visible = True Then PictureBox5.Visible = False PictureBox4.Visible = True ElseIf PictureBox4.Visible = True Then PictureBox4.Visible = False PictureBox3.Visible = True ElseIf PictureBox3.Visible = True Then PictureBox3.Visible = False PictureBox2.Visible = True ElseIf PictureBox2.Visible = True Then PictureBox2.Visible = False PictureBox1.Visible = TrueElseIf PictureBox1.Visible = True Then PictureBox1.Visible = False PictureBox7.Visible = TrueEnd If End Sub

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Timer1.Start() End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click Timer1.Stop() End Sub

OUTPUT :

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RESULT:

Thus the above vb.net program is running successfully and the output is verified.

EX NO: 7

LINK MULTIPLE FORMS

AIM:

To create and link multiple form with different colors.

ALGORITHM:

STEP 1 :Start the process.

- STEP 2 :Open visual studio, create a new project and display on it.
- STEP 3:Click on the project name on the solution explorer and add n number of windows forms.
- STEP 4:Using menu strip tool and display the multiform with different colors.

STEP 5: Execute the process and stop the program.

FORM DESIGN :

Form 1:

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CODING :

Form 1 coding :

Public Class Form1

Private Sub Form2ToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Form2ToolStripMenuItem.Click Form2.Show() End Sub

Private Sub Form3ToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Form3ToolStripMenuItem.Click Form3.Show() End Sub

Form 2 coding :

Public Class Form2

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Form3.Show() Me.Close() End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click Me.Close() End Sub End Class

Form 3 coding:

Public Class Form3

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Form2.Show() Me.Close() End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click Me.Close() End Sub End Class

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RESULT:

Thus the above vb.net program is running successfully and the output is verified.

EX NO :8

NOTEPAD

<u>AIM:</u>

To write a VB.NET program to implement Notepad.

ALGORITHM:

Step 1: Start the program

Step 2: In the form design window. Place the "Menu Strip".

Step 3: Add the required Menus with short cut keys

Step 4: Place the dialog controls in the form

Step 5: In the coding part. Write the coding for all sub menus such as save,

Open, cut, copy, paste, etc

Step 6: Debug the program.

Step 7: Stop the program.

FORM DESIGN :

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CODING:

Public Class Form1

Private Sub OpenToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OpenToolStripMenuItem.Click OpenFileDialog1.ShowDialog() RichTextBox1.LoadFile(OpenFileDialog1.FileName) End Sub

Private Sub SaveToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles SaveToolStripMenuItem.Click SaveFileDialog1.ShowDialog() RichTextBox1.SaveFile(SaveFileDialog1.FileName) End Sub

Private Sub CutToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CutToolStripMenuItem.Click RichTextBox1.Cut() End Sub

Private Sub CopyToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles CopyToolStripMenuItem.Click RichTextBox1.Copy() End Sub

Private Sub PasteToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles PasteToolStripMenuItem.Click RichTextBox1.Paste() End Sub

Private Sub SelectToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles SelectToolStripMenuItem.Click RichTextBox1.SelectAll() End Sub

Private Sub FontToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FontToolStripMenuItem.Click FontDialog1.ShowDialog() RichTextBox1.Font = FontDialog1.Font End Sub

Private Sub ColorToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ColorToolStripMenuItem.Click ColorDialog1.ShowDialog() RichTextBox1.ForeColor = ColorDialog1.Color End Sub End Class

OUTPUT:

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file edit view						
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	Hello world					
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Open



Save



RESULT:

Thus the above vb.net program is running successfully and the output is verified.

EX NO :9

FILE MANIPULATION

AIM:

To write the vb.net program to create and manipulate a file.

ALGORITHM:

STEP 1: Start the process.

- STEP 2: Place a RichTextBox, TextBox and five buttons from tool box in form.
- STEP 3: Declare the variable fs for filestreamobject as a write mode in the public class.
- STEP 4: Double click the create button and write coding for creating the file.
- STEP 5: Double click the button open and write coding which used to lead the file and display the context in richtextbox.
- STEP 6: Double click the button open and write coding which used to copy the content form directory to another root directory.
- STEP 7: Double click the button open and write coding which used to create new directory within the root directory.
- STEP 8: Double click the button open and write coding which used to check the directory and file name and display in rich text box.

STEP 9: Click debug option or press f5 key.

STEP 10: Stop the process.

FORM DESIGN:

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CODING:

Imports System.IO Public Class Form1

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Dim fs As New FileStream("C:\F1.docx", FileMode.Create, FileAccess.Write) Dim s As New StreamWriter(fs) s.WriteLine("this is an example of using file handling in vb.nets") MsgBox("file created") s.close() End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click Dim fs As New FileStream("C:\F1.docx", FileMode.Open, FileAccess.Read) Dim d As New StreamReader(fs) d.BaseStream.Seek(0, SeekOrigin.Begin) RichTextBox1.Clear() While (d.Peek() > -1) RichTextBox1.Text &= d.ReadLine() End While d.Close() End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click FileCopy("C:\F1.docx", "C:\F2.docx") MsgBox("file copied") End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click Me.Close() End Sub

Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click Directory.CreateDirectory(TextBox1.Text) MsgBox("directory created successfully") End Sub End Class

OUTPUT:

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Create	the	file
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∎ ⁹ Form1	
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copy dose	WindowsApplication
	File created
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Read the file

mi			
directory name	CR		
create	this is an example of using file handling in vb.nets		
read			
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dose			

RESULT:

Thus the above vb.net program is running successfully and the output is verified.

EMPLOYEE PAYROLL CALCULATION

<u>AIM:</u>

To write a VB.NET program to implement employee pay roll.

ALGORITHM:

STEP 1: Start the process.

STEP 2 : Create number of required Textboxes, Labels and Buttons in the form.

STEP 3: Open the coding window and write below coding for **calculate** button.

$$hra = bp * 0.35$$
$$da = bp * 0.2$$
$$pf = bp * 0.15$$
$$gp = bp + hra + da$$
$$np = gp - pf$$

STEP 4: Set all the above mentioned fields (such as hra, da, etc) textboxes enabled property to false.

STEP 5: Debug the program.

STEP 6: Stop the process.

CODING:

Public Class Form1 Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click Dim hra, da, pf, bp, gp, np As Integer bp = TextBox3.Text hra = bp * 0.35 da = bp * 0.2 pf = bp * 0.15 gp = bp + hra + da np = gp - pf TextBox4.Text = np TextBox5.Text = gp TextBox6.Text = hra TextBox7.Text = da TextBox8.Text = pf

End Sub

End Class

OUTPUT:

	Pay Calculation				
Emp ID	059	Emp Name	Pooja		
BP	4500	NP	6300		
	GP	6975			
	HRA	1575			
	DA	900			
	PF	675			

RESULT:

Thus the above program is executed and the output is verified successfully.