

KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University) (Established Under Section 3 of UGC Act 1956) Pollachi Main Road, Eachanari Post, Coimbatore - 641021 (For the candidates admitted from 2017 onwards)

DEPARTMENT OF COMMERCE (CA)

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17CCP211	PRACTICAL 3 –VB.NET	-	-	4	2

COURSE OBJECTIVES

The course includes Shapes, List Box, Animation Control, File Manipulation and Report generation

LEARNING OUTCOMES

- To know about VB.Net and RDBMS
- ✤ To acquire knowledge in developing Web based application
- To develop practical skills by using VB.Net Program & RDBMS

VISUALBASIC .NET

- 1. Calculate Simple interest and compound Interest
- 2. Find mouse events and coordinates where the mouse is clicked.
- 3. Implement Calculator.
- 4. Implement Notepad
- 5. Draw several shapes and fill with color.
- 6. Perform the following in list box
 - a) Add an item
 - b) Delete an item
 - c) List count
 - d) Clear the List
- 7. Calculate the days elapsed between the given two dates.
- 8. Create Menu and link multiple forms with different colors.
- 9. Animate the picture using animation control.
- 10. Check whether given string is a Palindrome or not.
- 11. Generate Fibonacci series for the input given using Input box.

- 12. Calculate the total marks of the student and print the grade
- 13. Maintain details of students. Use Crystal Report to generate report.
- 14. Implement Employee Payroll.
- 15. Create and manipulate a File.



SIMPLE INTEREST AND COMPOUND INTEREST

AIM:

To Calculate Simple Interest and Compound formula.

ALGORITHM:

- Step 1: Start the Programs
- Step2: Select new project from file menu. A new windows application is opened
- Step 3. Design the form using controls
- Step 4: Calculate the simple interest and Compound formula using code window

Step 5: Save and run the project.

Program No: 1

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SIMPLE AND COMPOUND INTEREST	
Enter the prncipal amount Enter the no.of years	
Enter the rate of interest	
SIMULA COMPOUND Obimple Compound	
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Public Class cal

Dim s As String

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

```
s = "Simple Interest = "
Label4.Text = s & (Int(TextBox1.Text) * Int(TextBox2.Text) * Int(TextBox3.Text)) / 100
```

End Sub

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

```
s = "Compund Interest = "
Label5.Text = s & (Int(TextBox1.Text) * (1 + (Int(TextBox3.Text) / 100)) ^
Int(TextBox2.Text))
```

End Sub End Class

a A	
SIMPLE AND COMPOU	ND INTEREST
Enter the prncipal amount	10000
Enter the no.of years	5
Enter the rate of interest	2
Simple Interest = 1000	Compund Interest = 11040.808032
Øimple Pom	pound.
😗 start 🧊 🐼 WindowsApplication1 🖳 Document1 - Microsof	. 🔯 lind - Microsoft Word 🕞 html lab c 💽 hh - Notepad 📦 A 🧷 😨 😨 😤 🤹 😻 💭 10:36 AM

Result: The above program is verified

MOUSE EVENT HANDLER

AIM:

To Perform Mouse Event Handler

ALGORITHM:

- Step 1: Start the Programs
- Step2: Select new project from file menu. A new windows application is opened
- Step 3. Design the form using controls
- Step 4: perform various mouse event handler using keypress, mouseclick, mousedoubleclick, etc

Step 5: Save and run the project.

Program No:2	
Public Class Form1	
Private Sub Form1_MouseClick(ByVal sender As Object, ByVal e As	
System.Windows.Forms.MouseEventArgs) Handles Me.MouseClick	
If e.Button = Windows.Forms.MouseButtons.Left Then MsgBox("left button is clicked") End If	
If e.Button = Windows.Forms.MouseButtons.Right Then MsgBox("right button is clicked") End If	
If e.Button = Windows.Forms.MouseButtons.Middle Then MsgBox("middle button is clicked") End If	
End Sub	
Private Sub Form1 MouseDoubleClick(ByVal sender As Object, ByVal e	As
System.Windows.Forms.MouseEventArgs) Handles Me.MouseDoubleClick	
MsgBox("double clicking")	
End Sub	
Private Sub Form1_MouseDown(ByVal sender As Object, ByVal e As	
System.Windows.Forms.MouseEventArgs) Handles Me.MouseDown	
If e.Button = Windows.Forms.MouseButtons.Right Then Label6.Text = "pressed"	
End If	
If e.Button = Windows.Forms.MouseButtons.Middle Then Label7.Text = "pressed" End If	
If e.Button = Windows.Forms.MouseButtons.Left Then	

```
Label5.Text = "pressed"
End If
End Sub
```

_

Private Sub Form1_MouseEnter(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.MouseEnter

Label8.Text = "mouse is inside now"

End Sub

```
Private Sub Form1_MouseHover(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.MouseHover
```

```
Label8.Text = "mouse is hover"
```

End Sub

```
Private Sub Form1_MouseLeave(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.MouseLeave
```

```
Label8.Text = "mouse is outside now"
End Sub
```

```
Private Sub Form1_MouseMove(ByVal sender As Object, ByVal e As System.Windows.Forms.MouseEventArgs) Handles Me.MouseMove
```

```
Label15.Text = e.X
Label14.Text = e.Y
End Sub
```

Private Sub Form1_MouseUp(ByVal sender As Object, ByVal e As System.Windows.Forms.MouseEventArgs) Handles Me.MouseUp

```
Label5.Text = "unpressed"
Label6.Text = "unpressed"
Label7.Text = "unpressed"
```

End Sub

```
Private Sub Form1_MouseWheel(ByVal sender As Object, ByVal e As System.Windows.Forms.MouseEventArgs) Handles Me.MouseWheel
```

```
If e.Delta < 0 Then
MsgBox("down direction")
End If
If e.Delta > 0 Then
MsgBox("up direction")
End If
End Sub
```

End Class

Output Form

🖷 Form2					
	M	ouse Event Program			
Left Button	bleft	XValue YValue			
Right Button	Label2	615 355			
Middle Buttor	n Iblmiddle				
Mouse is how	rer				
🥶 start	WindowsApplication1 Document1	- Microsof 🖳 final - Microsoft Word 📄 html lab i	: 💽 hh - Notepad	Form2	🎤 🔯 🛐 🏅 🍕 🛄 🕵 10:31 AM
🖶 Form1					. 8 X
		MOUSE EVENTS			
	LEFT BUTTON Ibleft	Ibix Ibly			
	RIGHT BUTTON pressed	541 356			
	MIDDLE BUTTON Iblmiddle				
	mouse is outside now				
		Windows	Application7 🔀		
		right but	on is clicked		
			OK		
🧤 start	🚔 Bin 🔛 Document	tt - Microsof 😵 WindowsApplication7 🔛 Form1			2 💌 😰 😤 🤹 🖉 🔛 🛄 10:47 AM

Result: The above program is verified

Prepared by Dr.S.Hemalatha, Department of Commerce, KAHE

IMPLEMENT NOTEPAD

AIM:

To Implement Notepad.

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened

Step 3. Design the form using control MENUSTRIP

- Step 4: Type the file menu, edit menu and sub menus for file and edit menu.
- Step 5: Double Click the sub menus and write source code
- Step 6: Save and run the project.

INPUT FORM

HAI
HAJ Color ? ? ? Baic color:
HAI Color ? ? ? Baic color:
Cabor V K
Custom color:
Define Custom Colors >>
OK Cancel
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NatePad
FLE EDIT FORMAT
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Program No: 4

Public Class Form1 Public SAVEFLAg As Integer = 0

```
Private Sub NEWToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NEWToolStripMenuItem.Click
```

```
If Not RTB.Text = " " And SAVEFLAg = 0 Then
savefile()
End If
RTB.Text = " "
End Sub
```

Private Sub savefile()

```
SAVEFLAg = 1

Dim mystream As System.IO.StreamWriter

Dim save As New SaveFileDialog()

save.Filter ="text[*.txt]|*.txt|Allf0iles[*.*]|*.*"

save.CheckPathExists = True

save.Title = "SaveFile"

save.ShowDialog(Me)

System.IO.File.AppendText(save.FileName)

Try

mystream = System.IO.File.AppendText(save.FileName)

mystream.Write(RTB.Text)

mystream.Flush()

Catch ex As Exception

End Try
```

End Sub

Private Sub OPENToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OPENToolStripMenuItem.Click

```
SAVEFLAg = 0

Dim openfile As New OpenFileDialog()

openfile.DefaultExt = "*.TXT"

openfile.Filter = "text[*.txt]|*.txt|allfiles[*.*]|*.*"

If openfile.ShowDialog() = (System.Windows.Forms.DialogResult.OK) And

(openfile.FileName.Length > 0) Then

RTB.LoadFile(openfile.FileName, RichTextBoxStreamType.PlainText)

End If
```

End Sub

```
Private Sub SAVEToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles SAVEToolStripMenuItem.Click
    savefile()
End Sub
Private Sub EXITToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles EXITToolStripMenuItem.Click
    Application.Exit()
End Sub
Private Sub UNDOToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles UNDOToolStripMenuItem.Click
    RTB.Undo()
End Sub
Private Sub REDOToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles REDOToolStripMenuItem.Click
    RTB.Redo()
End Sub
Private Sub SELECTALLToolStripMenuItem Click(ByVal sender As System.Object,
ByVal e As System. EventArgs) Handles SELECTALLToolStripMenuItem. Click
    RTB.SelectAll()
End Sub
Private Sub CUTToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles CUTToolStripMenuItem.Click
    RTB.Cut()
End Sub
Private Sub COPYToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles COPYToolStripMenuItem.Click
    RTB.Copy()
End Sub
Private Sub PASTEToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles PASTEToolStripMenuItem.Click
    RTB.Paste()
```

End Sub

Private Sub COLORToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles COLORToolStripMenuItem.Click

Dim fc As New ColorDialog Try fc.ShowDialog() RTB.ForeColor = fc.Color Catch ex As Exception

End Try

End Sub

Private Sub FONTToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FONTToolStripMenuItem.Click

Dim fd As New FontDialog fd.Font = RTB.Font fd.ShowDialog() RTB.Font = fd.Font End Sub

End Class

OUTPUT

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Result: The above program is verified

IMPLEMENT NOTEPAD

AIM:

To Implement Notepad.

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened

Step 3. Design the form using control MENUSTRIP

- Step 4: Type the file menu, edit menu and sub menus for file and edit menu.
- Step 5: Double Click the sub menus and write source code
- Step 6: Save and run the project.

INPUT FORM

HAI
HAJ Color ? ? ? Baic color:
HAI Color ? ? ? Baic color:
Cabor V K
Custom color:
Define Custom Colors >>
OK Cancel
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Program No: 4

Public Class Form1 Public SAVEFLAg As Integer = 0

```
Private Sub NEWToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles NEWToolStripMenuItem.Click
```

```
If Not RTB.Text = " " And SAVEFLAg = 0 Then
savefile()
End If
RTB.Text = " "
End Sub
```

Private Sub savefile()

```
SAVEFLAg = 1

Dim mystream As System.IO.StreamWriter

Dim save As New SaveFileDialog()

save.Filter ="text[*.txt]|*.txt|Allf0iles[*.*]|*.*"

save.CheckPathExists = True

save.Title = "SaveFile"

save.ShowDialog(Me)

System.IO.File.AppendText(save.FileName)

Try

mystream = System.IO.File.AppendText(save.FileName)

mystream.Write(RTB.Text)

mystream.Flush()

Catch ex As Exception

End Try
```

End Sub

Private Sub OPENToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OPENToolStripMenuItem.Click

```
SAVEFLAg = 0

Dim openfile As New OpenFileDialog()

openfile.DefaultExt = "*.TXT"

openfile.Filter = "text[*.txt]|*.txt|allfiles[*.*]|*.*"

If openfile.ShowDialog() = (System.Windows.Forms.DialogResult.OK) And

(openfile.FileName.Length > 0) Then

RTB.LoadFile(openfile.FileName, RichTextBoxStreamType.PlainText)

End If
```

End Sub

```
Private Sub SAVEToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles SAVEToolStripMenuItem.Click
    savefile()
End Sub
Private Sub EXITToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles EXITToolStripMenuItem.Click
    Application.Exit()
End Sub
Private Sub UNDOToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles UNDOToolStripMenuItem.Click
    RTB.Undo()
End Sub
Private Sub REDOToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles REDOToolStripMenuItem.Click
    RTB.Redo()
End Sub
Private Sub SELECTALLToolStripMenuItem Click(ByVal sender As System.Object,
ByVal e As System. EventArgs) Handles SELECTALLToolStripMenuItem. Click
    RTB.SelectAll()
End Sub
Private Sub CUTToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles CUTToolStripMenuItem.Click
    RTB.Cut()
End Sub
Private Sub COPYToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles COPYToolStripMenuItem.Click
    RTB.Copy()
End Sub
Private Sub PASTEToolStripMenuItem Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles PASTEToolStripMenuItem.Click
    RTB.Paste()
```

End Sub

Private Sub COLORToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles COLORToolStripMenuItem.Click

Dim fc As New ColorDialog Try fc.ShowDialog() RTB.ForeColor = fc.Color Catch ex As Exception

End Try

End Sub

Private Sub FONTToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles FONTToolStripMenuItem.Click

Dim fd As New FontDialog fd.Font = RTB.Font fd.ShowDialog() RTB.Font = fd.Font End Sub

End Class

OUTPUT

M NotoPad			- 8 🗙
Hatefald File EDIT FORMAT	SuyeFle Save in Mo Reart Documents Decentor Decentor Mo Documents Mo Computer My Documents My Computer My Network Save as type in M	Carcel	
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Result: The above program is verified

SHAPES

AIM:

To draw shapes and fill with color.

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened
- Step 3: Design the form using option / radio buttons
- Step 4: Change the name for the control using properties window.
- Step 5: Save and run the project.

Program No:5

SHAF	PES	
• Rectangle • E	llipse O Line	
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Public Class Form1

Dim graphicsobj As Graphics

Private Sub RadioButton1_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton1.CheckedChanged

Dim brush As SolidBrush = New SolidBrush(Color.Blue) graphicsobj = Me.CreateGraphics

graphicsobj.Clear(Color.White)

Dim text As String = "Rectangle" Dim font1 As New Font("Times new Roman", 12, FontStyle.Bold)

graphicsobj.FillRectangle(brush, 50, 50, 100, 200)

graphicsobj.DrawString(text, font1, Brushes.Brown, 5, 5)

End Sub

Private Sub RadioButton2_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton2.CheckedChanged

Dim graphicsobj As Graphics

Dim brush As SolidBrush = New SolidBrush(Color.Pink)

graphicsobj = Me.CreateGraphics graphicsobj.Clear(Color.Yellow) Dim text As String = "Ellipse" Dim font1 As New Font("Times new Roman", 12, FontStyle.Bold)

graphicsobj.DrawString(text, font1, Brushes.Brown, 90, 25)

graphicsobj.FillEllipse(brush, 100, 30, 200, 100)

End Sub

Private Sub RadioButton3_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton3.CheckedChanged

Dim graphicsobj As Graphics

Dim mypen As New Pen(Color.Brown, 6)

graphicsobj = Me.CreateGraphics graphicsobj.Clear(Color.Aqua) Dim text As String = "Line" Dim font1 As New Font("Times new Roman", 12, FontStyle.Bold)

graphicsobj.DrawString(text, font1, Brushes.Brown, 40, 25)

graphicsobj.DrawLine(mypen, 10, 100, 300, 200)

End Sub

End Class

OUTPUT

🕮 Form1					
Rectangle	SHAPES				
	<mark>◎ Rectangle</mark> ○ Ellipse	° Line			

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Result: The above program is verified

LIST BOX CONTROL

AIM:

To perform the list box control using command buttons

ALGORITHM:

- Step 1: Start the Programs
- Step2: Select new project from file menu. A new windows application is opened

Step 3. Design the form using various controls

Step 4: Change the name using properties window.

- Step 5: perform the source for add, delete, count and clear operations
- Step 6: Save and run the project.

INPUT FORM

🗮 Form1	
LIST BOX MANIPULATION	
ADD DELETE LIST CLEAR	
Start Competibility Die Document - Microsof Ket box (Running) - M Form1	ह्य ् र् र <u>३</u> . छ ७:34 PM

Public Class Form1

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
ITEMLIST.Items.Add(ITEMTXT.Text)
ITEMTXT.Clear()
ITEMTXT.Focus()
```

End Sub

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

ITEMLIST.Items.Remove(ITEMLIST.SelectedItem) End Sub

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

ITEMLIST.Items.Clear() **End Sub**

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

Dim i As Integer i = ITEMLIST.Items.Count MsgBox("The count of Listbox items is : " & i)

End Sub End Class

OUTPUT

🖬 Form1	
LIST BOX MANIPULATION	
Orange Apple ADD DELETE	
LIST CLEAR	
📝 Start 😂 Lab V5. Net 🗊 Vn. net [Compatibility 🗊 Document I - Microsof 🐢 ist box (Running) - M 📴 Form 1	関 📍 🌾 💭 3:35 PM
LIST BOX MANIPULATION	
Apple Drange DELETE	

Result: The above program is verified

DAYS ELAPSED

AIM:

To calculate days elapsed between two given dates

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened
- Step 3: Design the form using data picker control, check box control and button control
- Step 4: Type the source code for button control
- Step 5: Save and run the project

INPUT FORM

irmt
DATE ELAPSED
Starting Date Ending Date
Saturday , March 12, 2016 💌 Saturday , March 12, 2016 💌
□ No.of Days □
No.of Years
clear
Start 🕽 😂 Lab VB.Net 📓 vn.net [Compatibility 📓 Document 1 - Microsof 📓 pgm-6_Listbox [Comp 🕐 days (Running) - Micr 🔚 Form 1 📳 😤 🦧 🗑 3:43 PM

Public Class Form1 Dim d1, d2 As Date

Private Sub daycheckbox_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles daycheckbox.CheckedChanged

d1 = DateTimePicker1.Value d2 = DateTimePicker2.Value daystxt.Text = DateDiff(DateInterval.Day, d1, d2)

End Sub

Private Sub monthcheckbox_CheckedChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles monthcheckbox.CheckedChanged

monthtxt.Text = DateDiff(DateInterval.Month, d1, d2)
End Sub

```
Private Sub yearscheckbox_CheckedChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles yearscheckbox.CheckedChanged
yearstxt.Text = DateDiff(DateInterval.Year, d1, d2)
```

End Sub

Private Sub clearbtn_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles clearbtn.Click

daystxt.Clear() monthtxt.Clear() DateTimePicker1.Value = DateTime.Now DateTimePicker2.Value = DateTime.Now daycheckbox.Checked = False monthcheckbox.Checked = False yearscheckbox.Checked = False **End Sub**

End Class

OUTPUT FORM

🔡 Form1			
	DA	TE ELAPSED	
	Starting Date	Ending Date	
	Friday , May 01	, 2015 🝸 Saturday , March 12, 2016 🍸	
	No.of Days	316	
	☑ No.of Month	10	
	☑ No.of Years	1	
		clear	
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Result: The above program is verified

LINK MULTIPLE FORMS

AIM:

To link multiple forms with different controls

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened
- Step 3: Design the form using menustrip control
- Step 4: Type the different types of menus and in properties window choose color palette Set the different colors for the different forms
- Step 5: Save and run the project

Program No: 8

🕮 Form1					
Color Color1					
Blue					
Green					
Start Model Practical	e ppn-15_me_Muniput e	vn.net [Compatibility	g Document) - Microsof	(Kunnin er Form)	
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Color Color: Color Color:					. I I I
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Color Color1 Crange Vellow					
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Color Color: Orange Yellow					
Color Color Crange Yellow					
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Color Color1 Color Color1 Orange Vellow					
Color Color Orange Veliow					
Color Color Orange Veliow					
Color Color Crange Vellow					
Color Color Crange Yellow					
Color Color Crange Yellow					
Color Color Orange Yellow					
Color Color Orange Yellow					
Color Color Orange Yellow					
Color Color Orange Vellow					
Color Color Orange Yellow					
Color Color Orange Yellow					
Color Color Vellow					
Public Class Form1

```
Private Sub WhiteToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles WhiteToolStripMenuItem.Click
```

White.Show() Blue.Hide() Green.Hide() End Sub

Private Sub BlueToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles BlueToolStripMenuItem.Click

```
Blue.Show()
White.Hide()
Green.Hide()
End Sub
```

Private Sub GreenToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles GreenToolStripMenuItem.Click

Green.Show() Blue.Hide() White.Hide()

End Sub

Private Sub ExitToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles ExitToolStripMenuItem.Click

End

End Sub

Private Sub OrangeToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles OrangeToolStripMenuItem.Click

Orange.Show() Green.Hide() Blue.Hide() White.Hide()

End Sub End Class

OUTPUT

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Color	Color1							
			and the second s					
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💀 Forr	m1							_ # X
Color	Color1							
			🛃 Blue					

PICTURE ANIMATION CONTROL

AIM:

To animate the picture using animation control

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened
- Step 3: Design the form using picture control and timer control
- Step 4: browse the picture using properties window of picture property and set the time interval

For timer control property.

Step 5: Save and run the project.

Program No: 9

INPUT FORM

🛃 Form1				
Birc	ls Flying			
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🗄 Form1				
E Form1	ls Flying			
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Public Class Form1

Public r As Integer = 255

Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load Timer1.Start()

End Sub

```
Private Sub Timer1_Tick(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Timer1.Tick
```

```
r = r - 1

If r = 0 Then r = 255

Label1.ForeColor = System.Drawing.Color.FromArgb(r, 0, 0)

Static x As Integer = 5

Static y As Integer = 0

Static flip As Integer = False
```

```
If Me.PictureBox1.Left >= 500 Then

x = -5

flip = True

ElseIf Me.PictureBox1.Left <= 0 Then

x = 5

flip = False

End If
```

```
If flip = True Then
Me.PictureBox1.Image.RotateFlip(RotateFlipType.RotateNoneFlipX)
End If
```

```
Me.PictureBox1.Left = Me.PictureBox1.Left + x 
 y = y + 1
```

End Sub End Class

OUTPUT

🗮 Form1	
Birds Flying	
🕺 Start 🎓 Lab YB Net 🖾 Yn. net [Competibility 🗊 Document I - Microsof 🗊 bom-6. Liebbox [Comp 🔉 Annabon (Runnino) 📧 Form	P 6 6 9 341 PM

PALINDROME

AIM:

To check whether the given string is palindrome or not

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened

Step 3: Design the form using controls

- Step 4: Write the source code for button control.
- Step 5: Save and run the project.

Program No:10

INPUT FORM

📴 Form1		
	Labell	
C	Button1	
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2 Desired Table		

Public Class Form1

Dim a As String Dim s As String Dim b As String

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

```
a = TextBox1.Text

s = a.ToLower

b = StrReverse(s)

If s = b Then

MsgBox("IT IS PALINDROME")

Else

MsgBox("IT IS NOT PALINDROME")

End If

End Sub
```

End Class

OUTPUT

E Formt		- # 🗵
Labelt		
MADAM		
Button		
	WindowsApplication19 🔀 IT IS PALINDROME	
	<u>o</u>	
😚 Start 🔰 🗃 Em 🔽 Documenti - Mirrosof 🗞 WindowsAppikationi	Promi	2 10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

FIBONACCI SERIES

AIM:

To generate Fibonacci series for the given number.

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened
- Step 3: Design the form using button control and rich text box
- Step 4: Change the name for the control using properties window.
- Step 5: Save and run the project.

Program No:11

🛃 Form 1					- 6 🛛
	Field	INACCI SERIES			
	WindowsApplication1.	DK	Button1		
	a	Cancel			
🐐 start 🔰 😂 🛤	Documenti - Microsof		e fami	WindowsApplication1	2 19 19 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Public Class Form1

Dim a As Double Dim b As Double Dim c As Double Dim i As Double Dim n As Double Dim t As Double

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

```
n = InputBox("ENTER THE VALUE")

a = 0

b = 1

RichTextBox1.Text = RichTextBox1.Text & a & "," & b

For i = 3 To n

c = a + b

RichTextBox1.Text = RichTextBox1.Text & "," & c

t = c

a = b

b = c

Next i
```

End Sub End Class

OUTPUT

🕼 Form1
PEDNACCI SERIES
Start Dourierti - Nurderlandezkazion) 💽 Formi 🖉 🖓 💭 🖓 🦓 🖉 🦉 🦓 🦓 🦓 🦉 🖉 <table-cell></table-cell>

STUDENT MARK DETAILS

AIM:

To calculate total marks of the student and print the grade

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened

Step 3: Design the form using textbox control

- Step 4: Change the name for the control using properties window.
- Step 5: Write the source code
- Step 6: Save and run the project.

Program No:12

INPUT FORM

📕 Form1		E 8 🛛
	STUDENT MARK DE NILS	
	ROLLNO	
	NAME	
	M2	
	M3	
	TOTAL	
	AVERAGE	
	GRADE	
	RESULT	
	Calculation	
🐉 start 🔰 😂 🖛	😰 Documenti - Microsoft 💊 WindowsApplication6 🔯 Form)	2 10 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Public Class Form1

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

```
TextBox8.Text = Int(TextBox3.Text) + Int(TextBox4.Text) + Int(TextBox5.Text) +
Int(TextBox6.Text) + Int(TextBox7.Text)
TextBox9.Text = Int(TextBox8.Text) / 5
If TextBox9.Text >= 91 Then
TextBox10.Text = "o"
ElseIf TextBox9.Text >= 81 Then
TextBox10.Text = "a"
ElseIf TextBox9.Text >= 71 Then
TextBox10.Text = "b"
Else
TextBox10.Text = "b"
Else
TextBox10.Text = "c"
End If
If TextBox3.Text >= 50 And TextBox4.Text >= 50 And TextBox5.Text >= 50 And
TextBox6.Text >= 50 And TextBox7.Text >= 50 Then
TextBox11.Text = "pass"
```

Else TextBox11.Text = "fail" End If End Sub End Class

OUTPUT

	STUDENT MARK DETAILS			
	IDLLNO 12CCP001			
	11 OD			
	12 97			
,	(3 95			
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	45 84			
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CRYSTAL REPORT PROGRAM

AIM:

To generate crystal report using database connectivity.

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened

Step 3: Design the form using report control

Step 4: Maintain the details in database.

Step 5: Link the database in windows form to generate crystal report

Step 6: Save and run the project.

Program No: 13 INPUT:

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CrystalReport - Microsoft Visual 1	itudio	
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Prepared by Dr.S.Hemalatha , Department of Commerce, KAHE

OUTPUT:

00000	SName	DOB	Address	Contact No
1CAU001	Abinaya	01.01.1992	No.24, Ak street,Palani	90876 65432
1CAU002	Ajeesh Sai	06.05.1992	No.3, SNS Corner,Coimbatore	90854 67234
1CAU003	Ajith	09.02.1993	No.34/89 MKI Street,Coimbatore	90832 45621
1CAU004	Arun Kumar	27.07.1992	No.5, NMR Nagar, Salem	98765 43210
1CAU005	Barani Priya	24.06.1993	NO.8, JHG Street, Coimbatore	90654 32154

EMPLOYEE PAYROLL

AIM:

To calculate employee payroll

ALGORITHM:

- Step 1: Start the Programs
- Step 2: Select new project from file menu. A new windows application is opened
- Step 3. Design the form using controls

Step 4: Calculate DA, HRA, PF, GROSS APY, NET PAY

Step 5: Double Click the button control and write source code

Step 6: Save and run the project.

Program No:14

INPUT

🔡 Form1			
	EMPLOYEE	PAYROLL	
E	MPID	DA	
E	NAME	HRA	
D	OB 💌	PF	
D	EPT	GROSSPAY	
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Public Class Form1

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

Dim np, gp, hra, da, pf As Single Dim loan, sal As Double sal = SALTXT.Text loan = LOANTXT.Text da = sal * (13 / 100)DATXT.Text = da hra = sal * (5 / 100)HRATXT.Text = hra pf = sal * (5 / 100)PFTXT.Text = pf gp = sal + hra + da GPTXT.Text = gp np = sal - (loan * (5 / 100)) - pf NPTTXT.Text = np

End Sub

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

eidtxt.Clear() entxt.Clear() Depttxt.Clear() SALTXT.Clear() LOANTXT.Clear() HRATXT.Clear() DATXT.Clear()

PFTXT.Clear() GPTXT.Clear() NPTTXT.Clear()

End Sub

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

End Class

OUTPUT			
💀 Form1			
	EMPLOYER	PAYRO	DLL
EMPID	10	DA	1950
ENAME	ANU	HRA	750
DOB	11/10/1995	PF	750
DEPT	SALES	GROSSPAN	X 17700
SALARY	15000	NET PAY	14000
LOAN	3000		
	CALCULATE		SE
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FILE MANIPULATION

AIM:

To Manipulate a file using document.

ALGORITHM:

Step 1: Start the Programs

Step 2: Select new project from file menu. A new windows application is opened

Step 3. Design the form using various controls

Step 4: Type the document and save it in local drive.

Step 5: using properties window browse the document

Step 6: Manipulate the documents using file operations

Step 6: Save and run the project.

PROGRAM NO:15

INPUT

😹 Form1	
ET E MANDET ATION	
FILE MANIPULATION	
Create Open	
Copy Create DIR	
Check Close	
🛃 Start 😂 Model Practical 🔄 pgm-15_File_Manipu 🔄 vn.net [Compatibilit 🔄 Document 1 - Micros 🔅 EMPLOYEEPA/ROLL 📚 Filemanipulation (Ru 📑 Form 1	😰 🖞 🌾 🕵 ਓ 3128 PM

Imports System.IO

Public Class Form1

Inherits System.Windows.Forms.Form Dim fs As New FileStream("E:vb1.doc", FileMode.Create, FileAccess.Write)

Private Sub create_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles create.Click

Dim s As New StreamWriter(fs) s.WriteLine("This is an example of using file handling concept in vb.net") s.WriteLine("This concept is interesting") MessageBox.Show("file created", "File") s.Close()

End Sub

Private Sub open_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles open.Click

```
fs = New FileStream("E:vb1.doc", FileMode.Open, FileAccess.Read)
Dim d As New StreamReader(fs)
d.BaseStream.Seek(0, SeekOrigin.Begin)
While d.Peek() > -1
RichTextBox1.Text &= d.ReadLine
End While
d.Close()
End Sub
```

Private Sub copy_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles copy.Click

```
FileCopy("E:vb1.doc", "E:\mcomca\vb1.doc")
MessageBox.Show("File copied Successfully")
d Sub
```

End Sub

Private Sub check_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles check.Click

```
Dim strarray(5) As String
Dim strtxt As String
strarray = Directory.GetFiles("E:\mcomca")
For Each strtxt In strarray
RichTextBox1.Text = strtxt
Next
```

End Sub

Private Sub createdir_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles createdir.Click

Directory.CreateDirectory(TextBox1.Text) MessageBox.Show("Directory created successfully")

End Sub

Private Sub close_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles close.Click

End End Sub End Class
Output

🦉 Form1	×
FILE MANIPULATION	
Create Open Copy Create DIR Check Close File created CK	
💤 Start 😂 Model Practical 📓 pgm-15_File_Manipul 📓 vn.net. [Compatibility 🔉 EMPLOYEEPAYROLL 🛠 Flemanpulation (Run 🖉 Form1 🔯 🖗 🖗 🐨 3:25 P	201

Result: The above program is verified