

Microsoft VB 6.0

VB 6.0 PRACTICAL

Designed By
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1. SIMPLE CALCULATOR

FORM DESIGN :

Form1

MINI CALCULATOR

7 8 9 +

4 5 6 -

1 2 3 *

C 0 = /

PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	numbers	1,2,3,4,5,6,7,8,9,0
Command1	equal	=
Command1	add	+
Command1	min	-
Command1	mul	*
Command1	div	/
Text1	txtdisplay	

SOURCE CODE :

```
Dim t1, t2 As Double
```

```
Dim oper As String
```

```
Private Sub add_Click(Index As Integer)
```

```
    t1 = Val(txtdisplay.Text)
```

```
    oper = "+"
```

```
    txtdisplay.Text = ""
```

```
End Sub
```

```
Private Sub div_Click(Index As Integer)
```

```
    t1 = Val(txtdisplay.Text)
```

```
    oper = "/"
```

```
    txtdisplay.Text = ""
```

```
End Sub
```

```
Private Sub min_Click(Index As Integer)
```

```
    t1 = Val(txtdisplay.Text)
```

```
    oper = "-"
```

```
    txtdisplay.Text = ""
```

```
End Sub
```

```
Private Sub mul_Click(Index As Integer)
```

```
    t1 = Val(txtdisplay.Text)
```

```
    oper = "*"
```

```
    txtdisplay.Text = ""
```

```
End Sub
```

```
Private Sub equal_Click(Index As Integer)
```

```
    t2 = Val(txtdisplay.Text)
```

```
    Select Case oper
```

```
        Case “+”
```

```
            txtdisplay.Text = t1 + t2
```

```
        Case “-”
```

```
            txtdisplay.Text = t1 - t2
```

```
        Case “*”
```

```
            txtdisplay.Text = t1 * t2
```

```
        Case “/”
```

```
            txtdisplay.Text = t1 / t2
```

```
    End Select
```

```
End Sub
```

```
Private Sub numbers_Click(Index As Integer)
```

```
    txtdisplay.Text = txtdisplay.Text + numbers(Index).Caption
```

```
End Sub
```

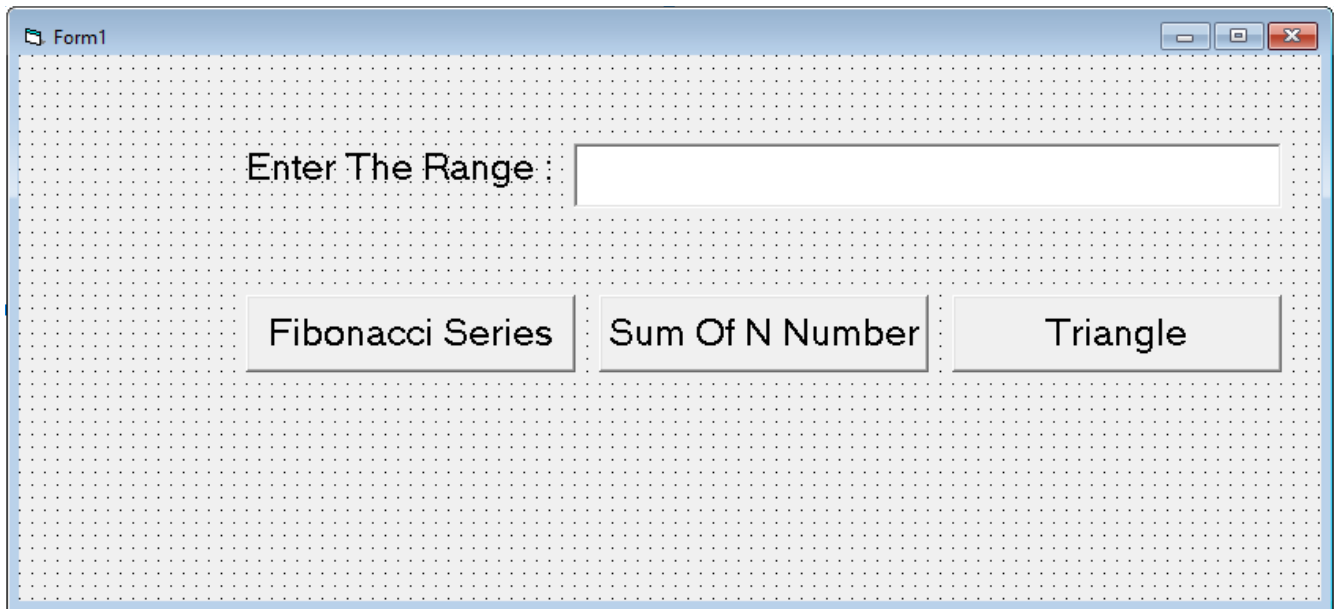
```
Private Sub clear_Click(Index As Integer)
```

```
    txtdisplay.Text = “ ”
```

```
End Sub
```

2. FIBONACCI, SUM OF N NUMBERS, DISPLAY NUMBER TRIANGLE FORMAT

FORM DESIGN :



The screenshot shows a Windows application window titled "Form1". The window has a light blue border and standard Windows window controls (minimize, maximize, close) in the top right corner. The main area of the form has a light gray background with a fine grid pattern. In the center, there is a label "Enter The Range :" followed by a white text box with a gray border. Below the text box, there are three buttons arranged horizontally. The first button is labeled "Fibonacci Series", the second is labeled "Sum Of N Number", and the third is labeled "Triangle". All buttons have a light gray background and a gray border.

PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	fibonacci	Fibonacci Series
Command2	sumofn	Sum Of N Number
Command3	triangle	Triangle
Text1	txtdisplay	
Label1	Label1	Enter The Range

SOURCE CODE :

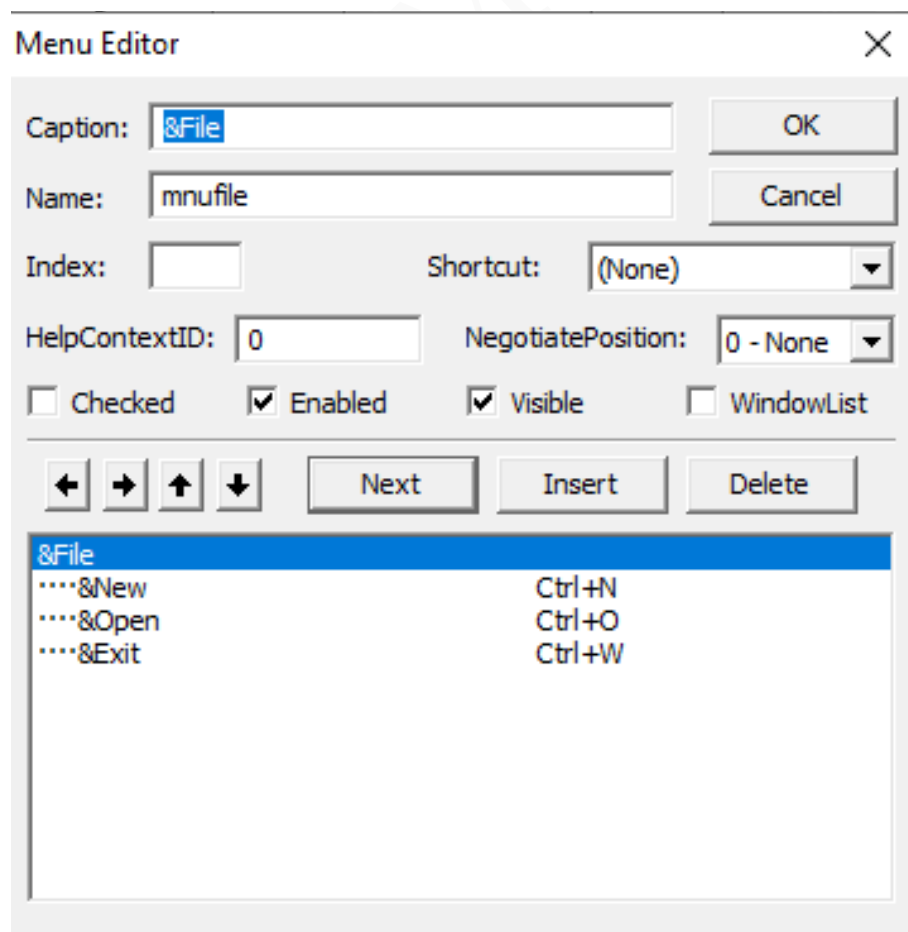
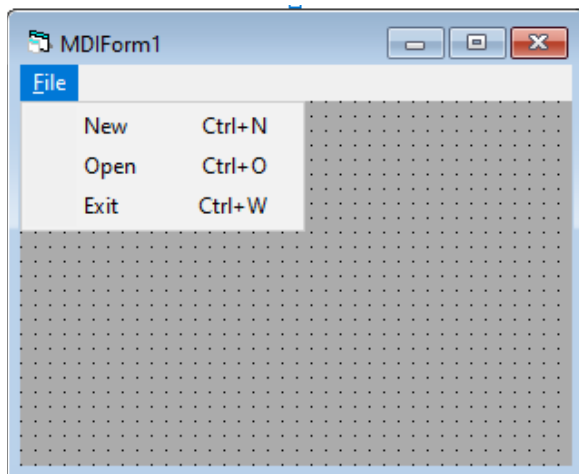
```
Private Sub fibonacci_Click()  
    Dim n, a, b, s, i As Integer  
    n = Val(txtdisplay.Text)  
    s = 0  
    a = -1  
    b = 1  
    While i < n  
        s = a + b  
        a = b  
        b = s  
        i = i + 1  
    Print s  
Wend  
End Sub
```

```
Private Sub sumofn_Click()  
    Dim n, sum, i As Integer  
    sum = 0  
    n = Val(txtdisplay.Text)  
    For i = 0 To n  
        sum = sum + i  
    Next i  
    Print "Sum Of N Number :", sum  
End Sub
```

```
Private Sub triangle_Click()  
    Dim i, j As Integer  
    n = Val(txtdisplay.Text)  
    For i = 1 To n  
        Print Space(n - i) + String(i, "*")  
    Next i  
End Sub
```

3. WRITE A PROGRAM TO CREATE A MENU AND MDI FORM

FORM DESIGN :



PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
MDIForm1	MDIForm1	

SOURCE CODE :

```
Private Sub mnuexit_Click()
```

```
    End
```

```
End Sub
```

```
Private Sub mnunew_Click()
```

```
    Dim note
```

```
    note = Shell("c:\windows\notepad.exe", vbNormalFocus)
```

```
    AppActivate note
```

```
End Sub
```

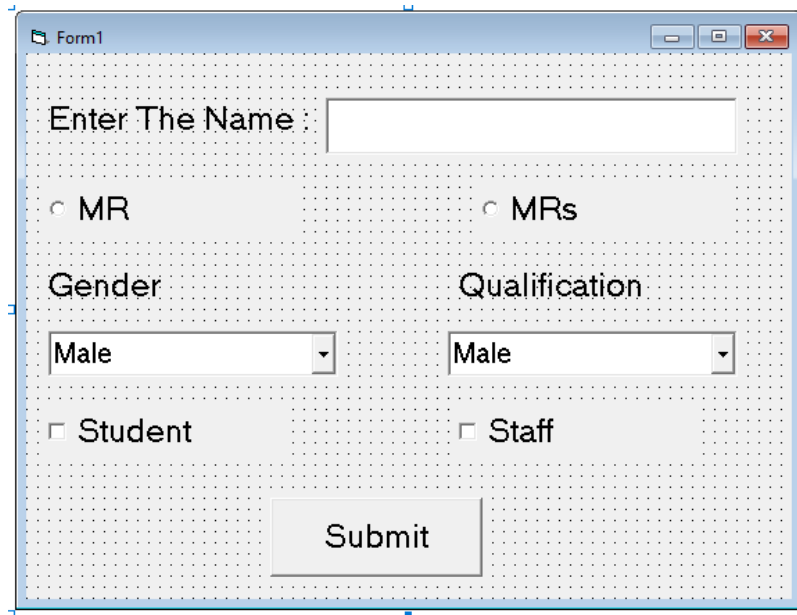
```
Private Sub mnuopen_Click()
```

```
    Form1.Show
```

```
End Sub
```


4. FOUR BASIC CONTROLS TO READ INPUT AND WRITE IT TO A FILE

FORM DESIGN :



PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	submit	Submit
Option1	optmr	MR
Option2	optmrs	MRs
Combo1	cmbgender	Male
Combo2	cmbqualification	BCA
Check1	chkstudent	Student
Check2	chkstaff	Staff
Text1	txtdisplay	
Label1	Label1	Enter The Name
Label2	Label2	Gender
Label3	Label3	Qualification

SOURCE CODE :

```
Private Sub submit_Click()  
    Dim stdname, r As String  
    Dim gender, check, degree As String  
    Open "c:\sample.txt" For Output As #1  
    If optmr.Value = True Then  
        r = "MR"  
    ElseIf optmrs.Value = True Then  
        r = "MRs"  
    End If  
    gender = cmbgender.Text  
    degree = cmbqualification.Text  
    If chkstudent.Value = 1 And chkstaff.Value = 0 Then  
        check = "Staff"  
    ElseIf chkstaff.Value = 1 And chkstudent.Value = 0 Then  
        check = "Student"  
    End If  
    stdname = txtdisplay.Text  
    Print #1, r, stdname, degree, gender, check  
    Close #1  
    MsgBox ("File Saved And File Name Is Sample.txt")  
End Sub
```

```
Private Sub Form_Load()  
    Cmbgender.AddItem "Male"  
    Cmbgender.AddItem "Female"  
    Cmbqualification.AddItem "BBA"  
    Cmbqualification.AddItem "BSC C.S"  
    Cmbqualification.AddItem "B.Com"  
End Sub
```

5. TO DISPLAY A TEXT FILE IN RICH TEXT BOX

FORM DESIGN :

The screenshot shows a Windows Form titled "Form1" with a grid-like background. It contains three labels: "Drive Name :", "File Directory :", and "File Name :". Below "Drive Name" is a dropdown menu showing "c:". Below "File Directory" is a file explorer showing "C:\" with subfolders like "Program Files (x86)", "Microsoft Visual Studi", "VB98", "Template", and "Tsql". Below "File Name" is a list box containing files like "ADDSCCUS.DLL", "BIBLIO.MDB", "BIRTHDAY_PROJECT.ex", "C2.EXE", "CVPACK.EXE", and "DATAVIEW.DLL". At the bottom are two buttons labeled "Display" and "Exit".

PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	display	Display
Command2	exit	Exit
Label1	Label1	Drive Name :
Label2	Label2	File Directory :
Label3	Label3	File Name :
RichTextBox1	RichTextBox1	

SOURCE CODE :

```
Private Sub Dir1_Change()  
    File1.Path = Dir1.Path  
End Sub
```

```
Private Sub display_Click()  
    RichTextBox1.LoadFile (Dir1.Path + "\" + File1.FileName)  
End Sub
```

```
Private Sub Drive1_Change()  
    Dir1.Path = Drive1.Drive  
End Sub
```

```
Private Sub exit_Click()  
    End  
End Sub
```

6. TEXT FILE OPEN, EDIT, SAVE, USING COMMON DIALOG CONTROL

FORM DESIGN :



The image shows a Windows form titled 'Form1'. It features a large text area on the left and four buttons stacked vertically on the right: 'OPEN', 'EDIT', 'SAVE', and 'EXIT'. A small icon is visible at the bottom center of the form.

PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	open	OPEN
Command2	edit	EDIT
Command3	save	SAVE
Command4	exit	EXIT
Text1	txtdisplay	
CommanDialog1	cmd	

SOURCE CODE :

```
Dim strbuffer As String
Dim intfilenum As Integer
Dim strfiletosave As String
Dim strfiletoopen As String

Private Sub edit_Click()
    With cmd
        .FileName = ""
        .Filter = "Text Files(*.txt)|*.txt|All Files (*.*)|*.*"
        .ShowOpen
        strfiletoopen = .FileName
    End With
    intfilenum = FreeFile
    Open strfiletoopen For Binary Access Read As #intfilenum
    strbuffer = Input(LOF(intfilenum), intfilenum)
    txtdisplay.Text = strbuffer
    Close #intfilenum
    mstrlstdir = Left$(strfiletoopen, InStrRev(strfiletoopen, "\") - 1)
Exit Sub
End Sub

Private Sub exit_Click()
    End
End Sub

Private Sub open_Click()
    With cmd
        .FileName = ""
        .Filter = "Text Files(*.txt)|*.txt|All Files (*.*)|*.*"
        .ShowOpen
        strfiletoopen = .FileName
    End With
```

```

intfilenum = FreeFile
Open strfiletoopen For Binary Access Read As #intfilenum
strbuffer = Input(LOF(intfilenum), intfilenum)
txtdisplay.Text = strbuffer
Close #intfilenum
mstrlastdir = Left$(strfiletoopen, InStrRev(strfiletoopen, "\") - 1)
Exit Sub
End Sub

```

```

Private Sub save_Click()
    With cmd
        .FileName = ""
        .Filter = "Text Files (*.txt)|*.txt|All Files (*.*)|*.*"
        .ShowSave
        strfiletosave = .FileName
    End With
    intfilenum = FreeFile
    Open strfiletosave For Binary Access Write As #intfilenum
    strbuffer = txtdisplay.Text
    Put #intfilenum, , strbuffer
    Close #intfilenum
    mstrlastdir = Left$(strfiletosave, InStrRev(strfiletosave, "\") - 1)
Exit Sub
End Sub

```

7. STUDENT REGISTRATION FORM AND LOGIN FORM USING DATA CONTROL TOOL

LOGIN FORM:

Form1

LOGIN FORM

User Name :

Password :

LOGIN RESET

Data1

STUDENT FORM:

Form2

STUDENT REGISTRATION FORM

NAME :

REG NUMBER :

DEPARTMENT :

CLASS :

ADDRESS :

PHONE NUMBER:

REGISTER CLEAR

Data1

PROPERTIES:

LOGIN FORM:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	login	LOGIN
Command2	reset	RESET
Data1	Data1	Data1
Label1	Label1	LOGIN FORM
Label2	Label2	User Name :
Label3	Label3	Password :
Text1	txtusername	
Text2	txtpassword	

STUDENT FORM:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	register	REGISTER
Command2	clear	CLEAR
Data1	Data1	Data1
Label1	Label1	STUDENT REGISTRATION FORM
Label2	Label2	NAME :
Label3	Label3	REG NUMBER:
Label4	Label4	DEPARTMENT:
Label5	Label5	CLASS:
Label6	Label6	ADDRESS:
Label7	Label7	PHONE NUMBER:

SOURCE CODE :

LOGIN FORM :

Dim DB As Database

Dim RS As Recordset

Private Sub Form_Load()

Set DB = OpenDatabase("C:\Users\Administrator\Desktop\mohan.mdb")

Set RS = DB.OpenRecordset("login")

End Sub

Private Sub login_Click()

If txtusername.Text = RS.Fields(0) And txtpassword.Text = RS.Fields(1) Then

MsgBox "Login Successful", vbInformation

Form2.Show

Else

MsgBox "Login Failed Invalid User Name Or Password ", vbCritical

End If

End Sub

Private Sub reset_Click()

txtusername.Text = ""

txtpassword.Text = ""

End Sub

STUDENT REGISTRATION FORM :

Dim DB As Database

Dim RS As Recordset

Private Sub clear_Click()

Text1.Text = ""

Text2.Text = ""

Text3.Text = ""

Text4.Text = ""

Text5.Text = ""

Text6.Text = ""

End Sub

Private Sub Form_Load()

Set DB = OpenDatabase("C:\Users\Administrator\Desktop\mohan.mdb")

Set RS = DB.OpenRecordset("studreg")

End Sub

Private Sub register_Click()

RS.AddNew

RS.Fields(0) = Text1.Text

RS.Fields(1) = Text2.Text

RS.Fields(2) = Text3.Text

RS.Fields(3) = Text4.Text

RS.Fields(4) = Text5.Text

RS.Fields(5) = Text6.Text

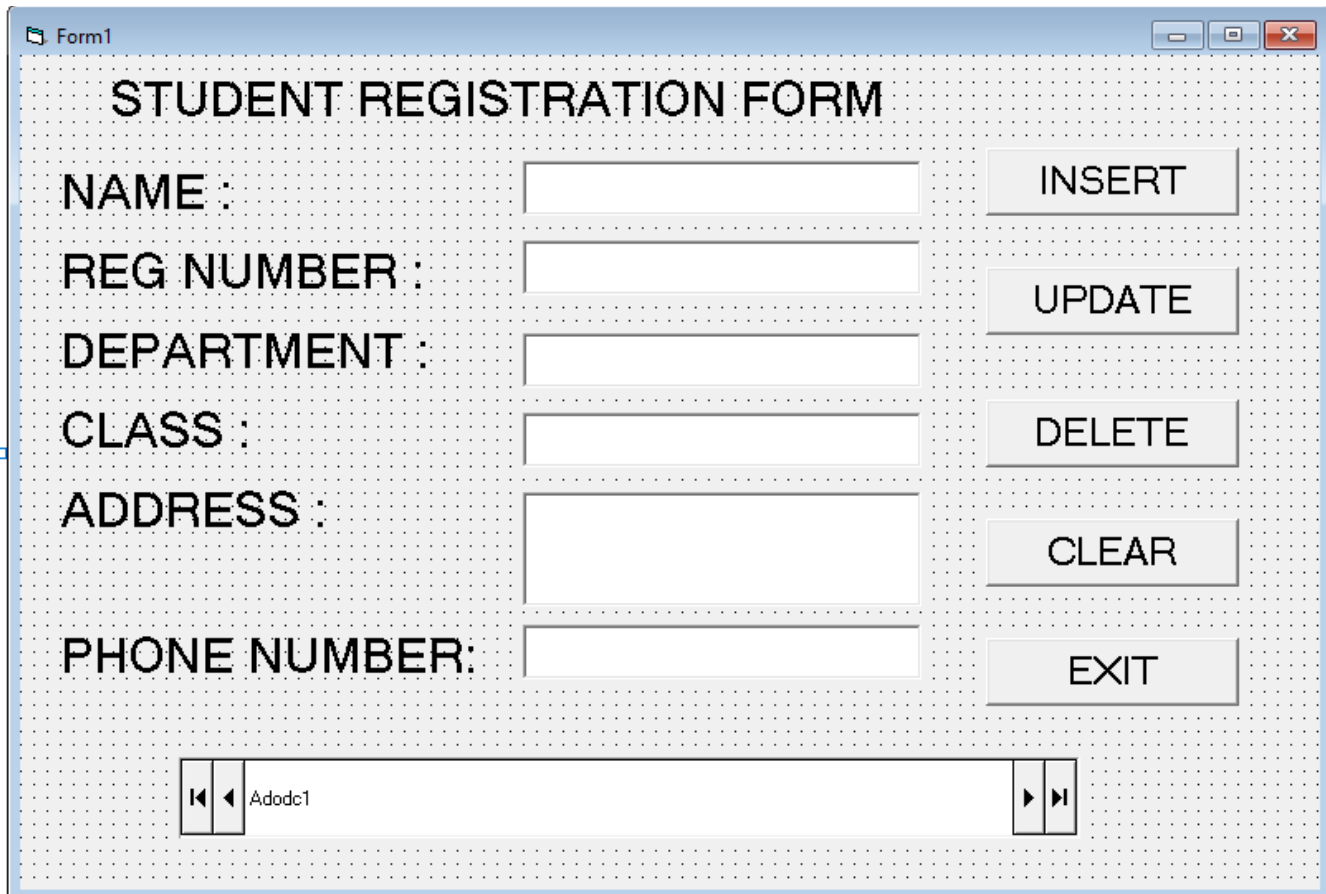
RS.Update

MsgBox "Data Is Registered Successfully", vbInformation

End Sub

8. INSERT, UPDATE, DELETE A RECORD IN DATABASE USING ADO

LOGIN FORM:



The screenshot shows a Windows-style application window titled "Form1". The main content area has a dotted grid background and is titled "STUDENT REGISTRATION FORM". It contains several text labels followed by input fields: "NAME :", "REG NUMBER :", "DEPARTMENT :", "CLASS :", "ADDRESS :", and "PHONE NUMBER:". To the right of these fields are five buttons: "INSERT", "UPDATE", "DELETE", "CLEAR", and "EXIT". At the bottom of the form is a data control bar for an ADO connection named "Adodc1", featuring navigation icons (back, forward, first, last, etc.) and a central text area.

PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Label1	Label1	STUDENT REGISTRATION FORM
Label2	Label2	NAME :
Label3	Label3	REG NUMBER:
Label4	Label4	DEPARTMENT:
Label5	Label5	CLASS:
Label6	Label6	ADDRESS:
Label7	Label7	PHONE NUMBER:
Adodc1	Adodc1	Adodc1
Command1	insert	INSERT
Command2	update	UPDATE
Command3	delete	DELETE
Command4	clear	CLEAR
Command5	exit	EXIT

SOURCE CODE :

Private Sub clear_Click()

Text1.Text = ""

Text2.Text = ""

Text3.Text = ""

Text4.Text = ""

Text5.Text = ""

Text6.Text = ""

End Sub

Private Sub delete_Click()

Adodc1.Recordset.delete

MsgBox "Data Is Deleted", vbInformation

End Sub

```
Private Sub exit_Click()  
    End  
End Sub
```

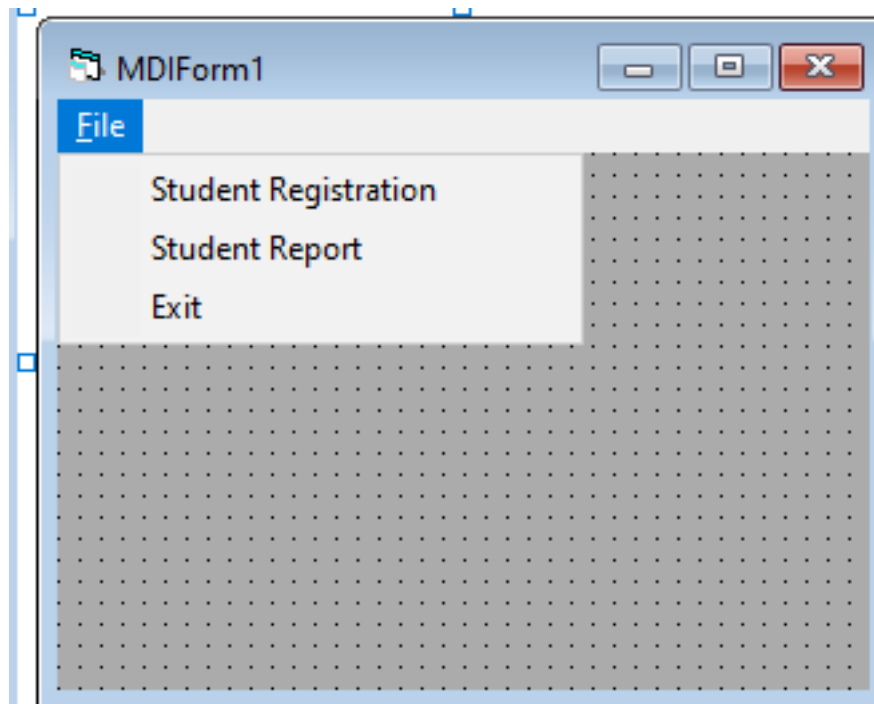
```
Private Sub Form_Load()  
    Text1.Text = ""  
    Text2.Text = ""  
    Text3.Text = ""  
    Text4.Text = ""  
    Text5.Text = ""  
    Text6.Text = ""  
End Sub
```

```
Private Sub insert_Click()  
    Adodc1.Recordset.AddNew  
    MsgBox "Inserted Data Successfully", vbInformation  
End Sub
```

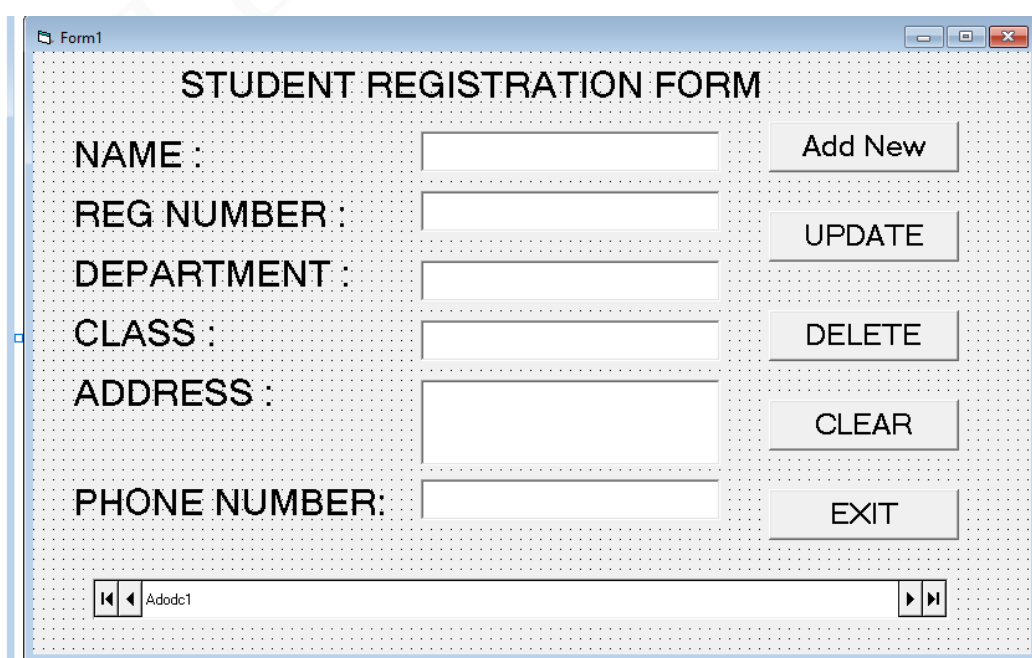
```
Private Sub update_Click()  
    Adodc1.Recordset.update  
    MsgBox "Data Is Updated Successfully", vbInformation  
End Sub
```

9. PERSONAL INFORMATION SYSTEM USING MDI AND STANDARD ADODC CONTROLS

MDI FORM DESIGN:



STUDENT REGISTRATION :

A screenshot of a 'Form1' window titled 'STUDENT REGISTRATION FORM'. The form contains six input fields with labels: 'NAME :', 'REG NUMBER :', 'DEPARTMENT :', 'CLASS :', 'ADDRESS :', and 'PHONE NUMBER:'. To the right of the input fields are five buttons: 'Add New', 'UPDATE', 'DELETE', 'CLEAR', and 'EXIT'. At the bottom of the form, there is a data grid control labeled 'Adodc1' with navigation buttons (back, forward, first, last).

STUDENT REPORT :

Form2

STUDENT REGISTRATION REPORT

NAME :

REG NUMBER :

DEPARTMENT :

CLASS :

ADDRESS :

PHONE NUMBER:

Adodc1

SOURCE CODE:

MDI FORM CODE :

```
Private Sub mnuexit_Click()  
    End  
End Sub
```

```
Private Sub mnustdreg_Click()  
    Form1.Show  
End Sub
```

```
Private Sub mnustdreport_Click()  
    Form2.Show  
End Sub
```


STUDENT REGISTRATION FORM CODE :

```
Private Sub addnew_Click()  
    Adodc1.Recordset.addnew  
    MsgBox "Inserted Data Successfully", vbInformation  
End Sub
```

```
Private Sub clear_Click()  
    Text1.Text = ""  
    Text2.Text = ""  
    Text3.Text = ""  
    Text4.Text = ""  
    Text5.Text = ""  
    Text6.Text = ""
```

End Sub

```
Private Sub delete_Click()  
    Adodc1.Recordset.delete  
    MsgBox "Deleted Data Successfully", vbInformation  
End Sub
```

```
Private Sub exit_Click()  
    Me.Hide  
End Sub
```

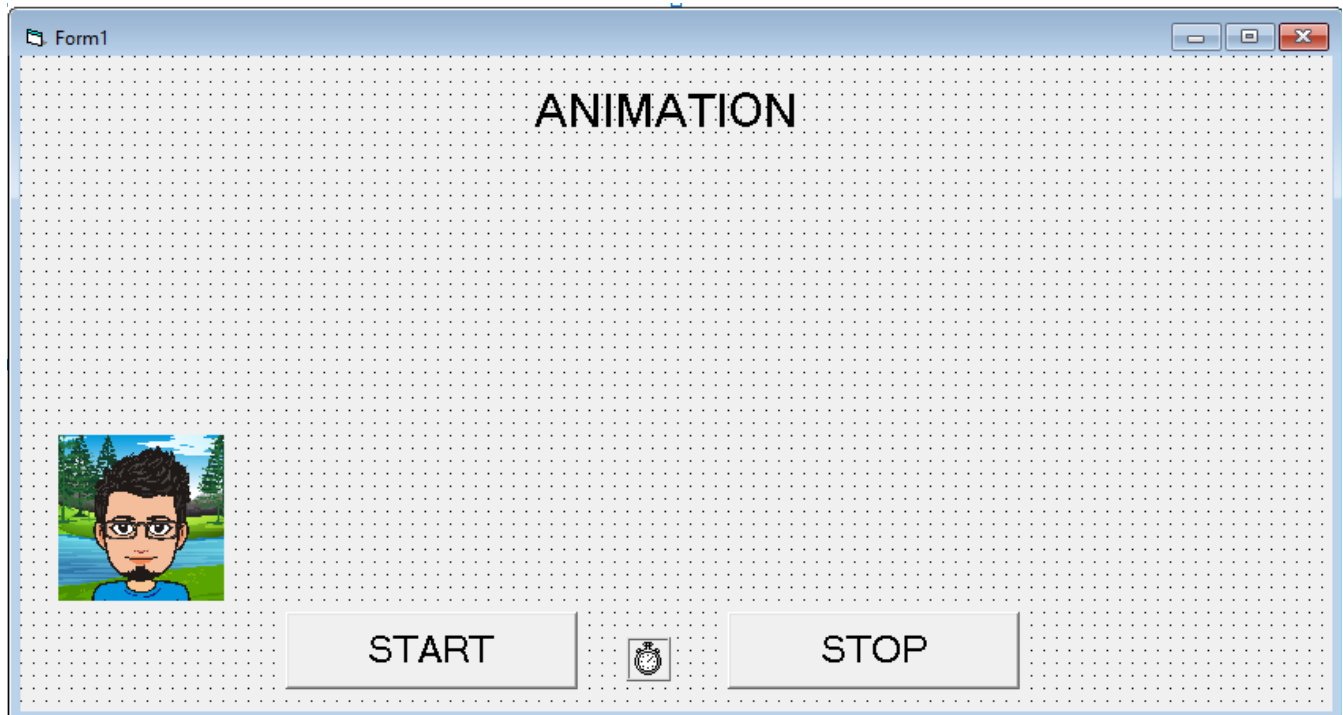
```
Private Sub Form_Load()  
    Text1.Text = ""  
    Text2.Text = ""  
    Text3.Text = ""  
    Text4.Text = ""  
    Text5.Text = ""  
    Text6.Text = ""
```

End Sub

```
Private Sub update_Click()  
    Adodc1.Recordset.update  
    MsgBox "Update Data Successfully", vbInformation  
End Sub
```

10. ANIMATION USING TIMER CONTROL

FORM DESIGN :



PROPERTIES:

DEFAULT PROPERTIES NAME	CHANGED PROPERTIES NAME	CAPTION
Command1	start	START
Command2	stop	STOP
Image1	Image1	
Label1	Label1	ANIMATION
Timer1	Timer1	

SOURCE CODE:

```
Private Sub Command1_Click()  
    Timer1.Enabled = True  
End Sub
```

```
Private Sub Command2_Click()  
    Timer1.Enabled = False  
End Sub
```

```
Private Sub Form_Load()  
    Timer1.Enabled = False  
    Timer1.Interval = 1  
End Sub
```

```
Private Sub Timer1_Timer()  
    Image1.Left = Image1.Left + 10  
    If Image1.Left >= 2600 Then  
        Image1.Top = Image1.Top - 10  
        Image1.Left = Image1.Left + 10  
    End If  
End Sub
```

**Verified By P.V. Vijay Krishna, J. J, B. Manikandan,
K. Deepak, Rajesh Narayan, Saravanan**