

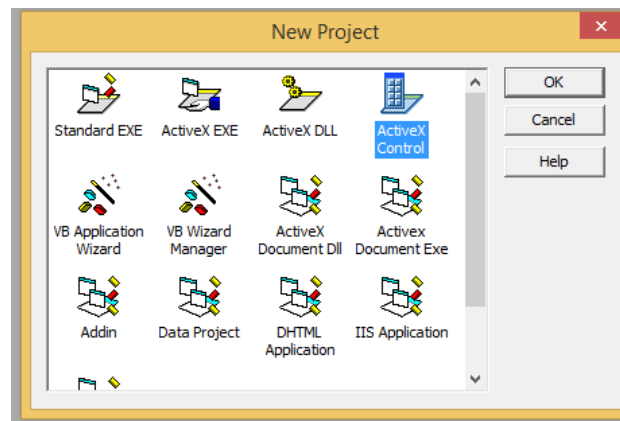
Practical No : - 20

- (1) Create an ActiveX Control for containing student marks information
- (2) Create ActiveX DLL for Calculate total, percentage, grade. And use it in your form for maintaining student information.

=====

Active X Control (User Control) : ----- >

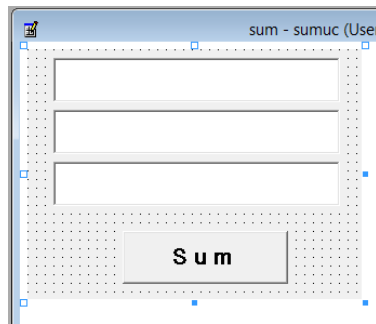
First open Visual Basic Application and select Active X Control.



Change Project Name as sumuc



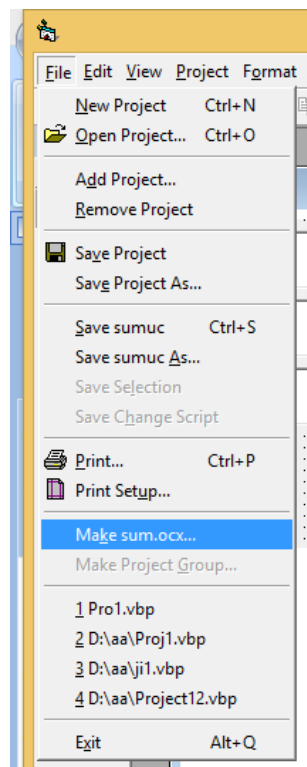
Add 3 TextBox and One Command Button



Write Following Code

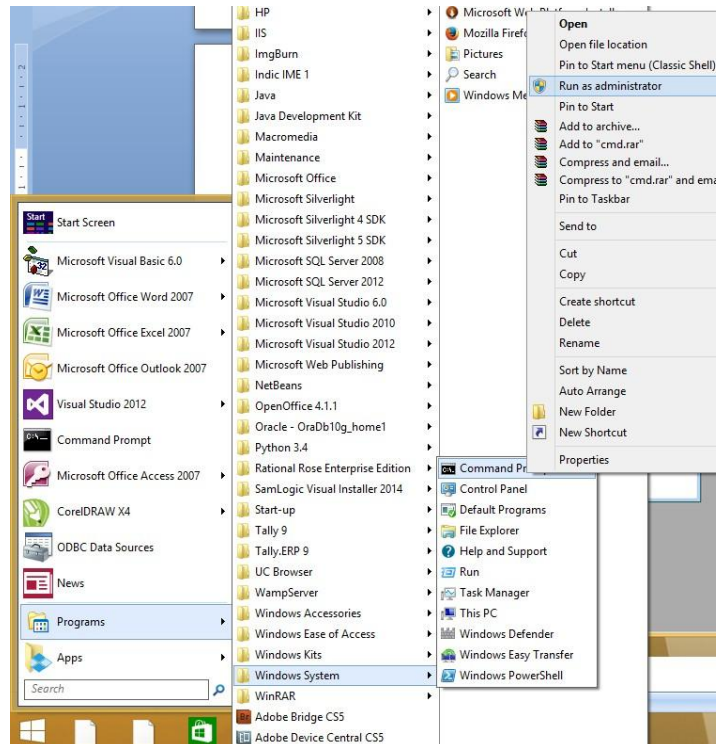
```
Private sub sum_Click()  
    Text3.text = val(text1.text) + val(text2.text)  
End sub
```

Now create sum.ocx file from file menu.

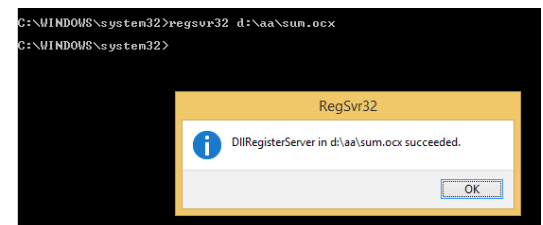
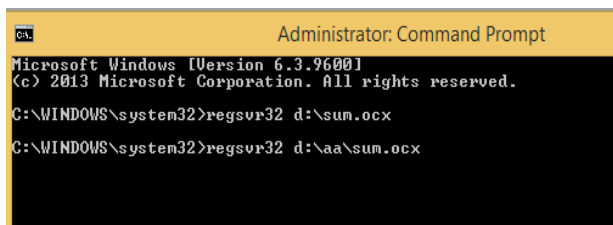


Do the following step for Register ocx file

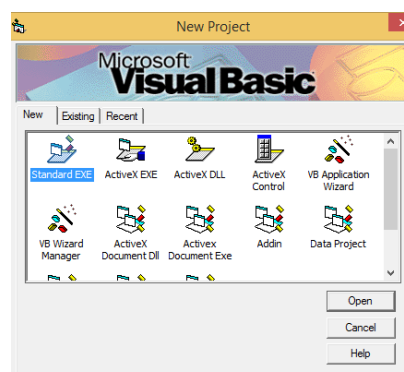
Open command prompt run as administrator



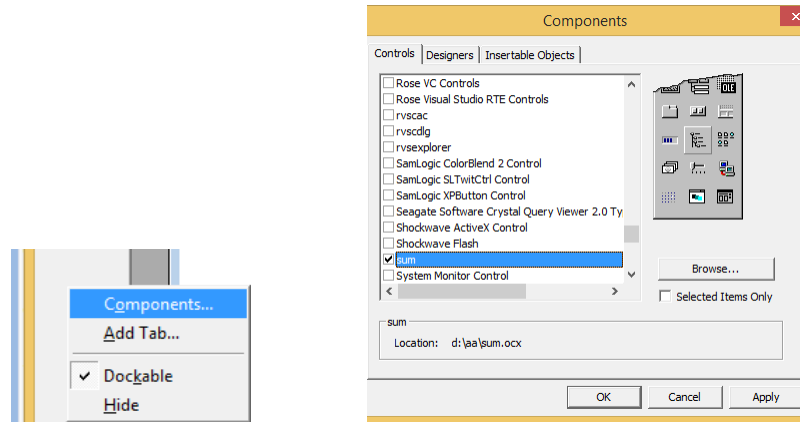
After type the following command you can display succeeded message box then press ok button.



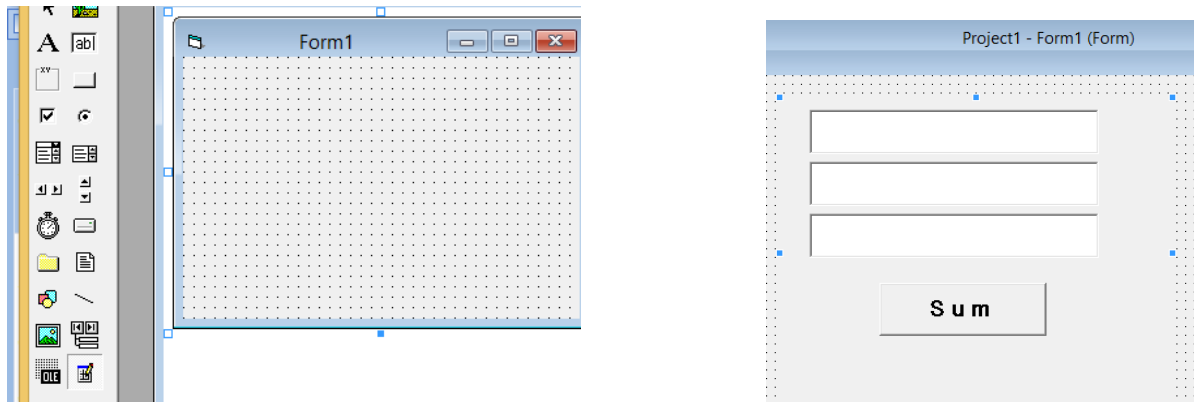
Now open VB Application and select Standard exe project.



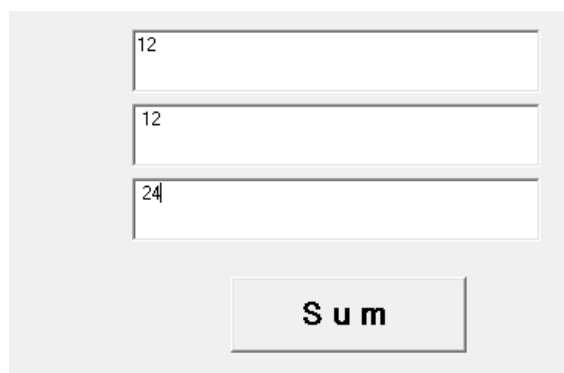
Add component



Add user control which you create from the toolbox in the form.

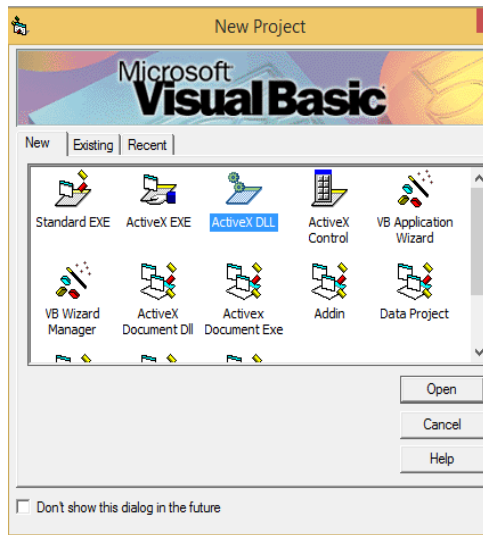


Run this project file.

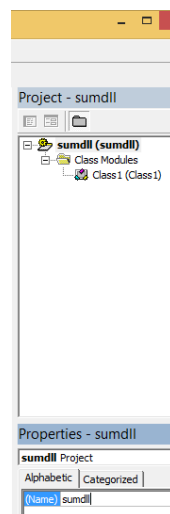


Active X dll (User Control) :----- >

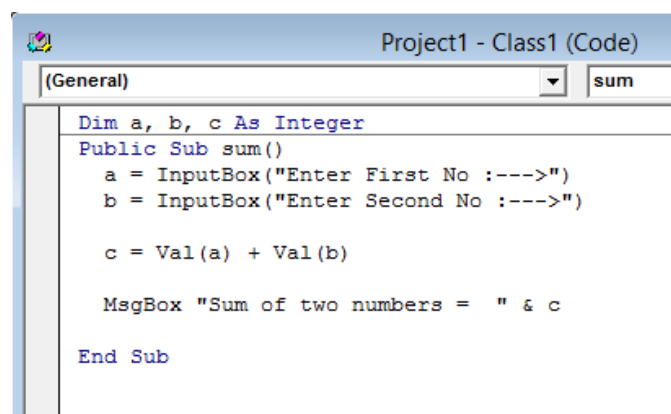
First open Visual Basic Application and select Active X DLL.



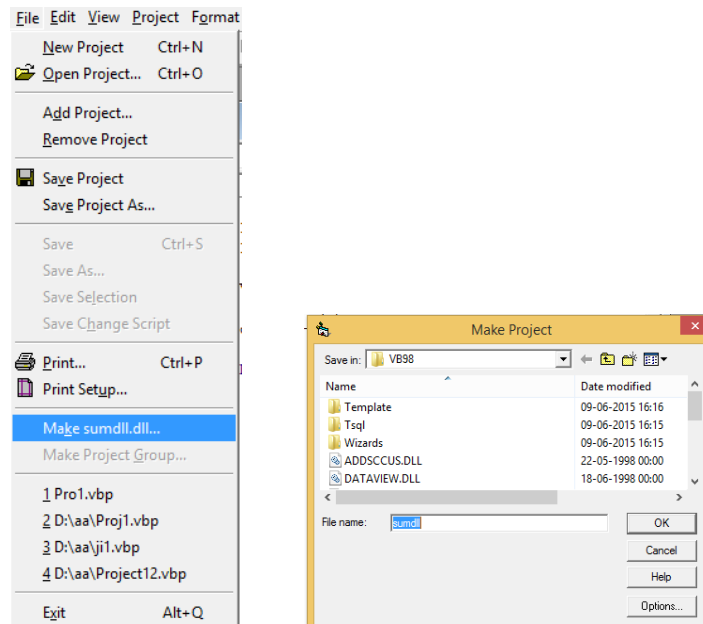
Change the project name.



Write following code in class file.

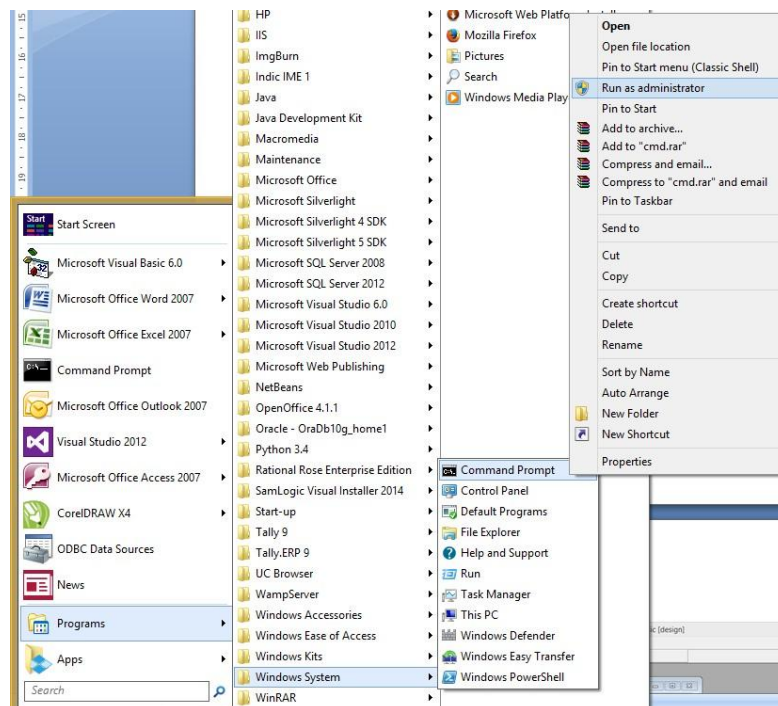


Now create sumdll.dll file from file menu.

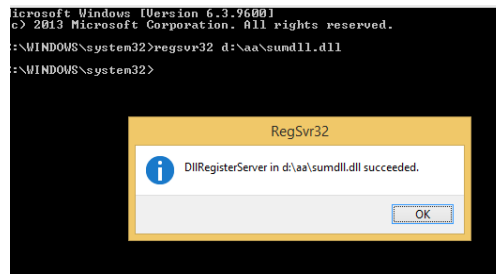


Do the following step for Register dll file

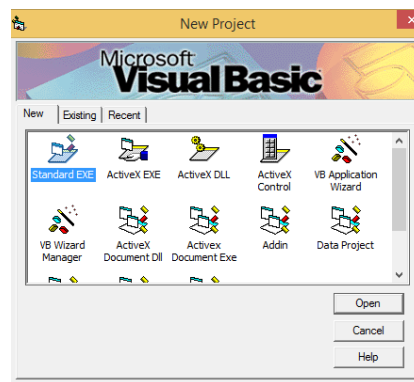
Open command prompt run as administrator



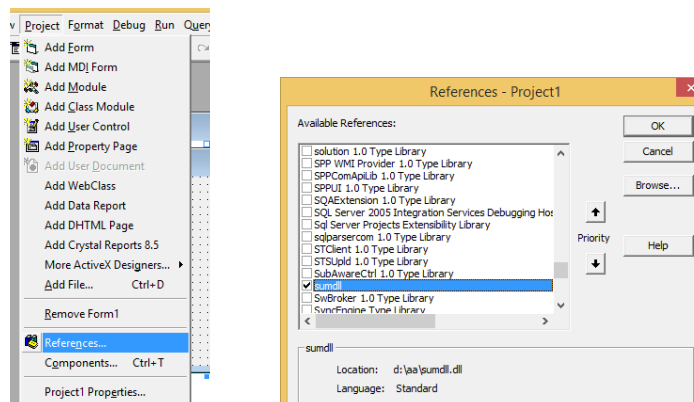
After type the following command you can display succeeded message box then press ok button.



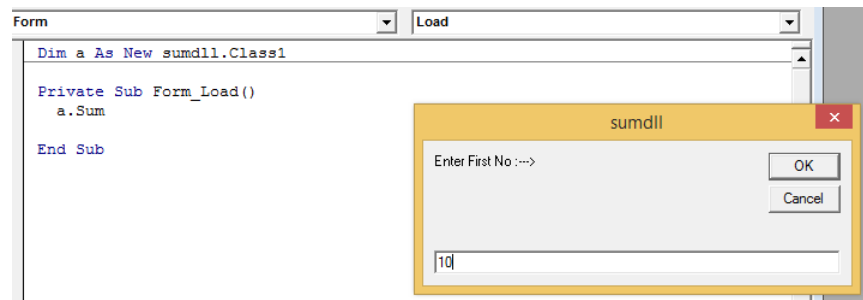
Now open VB Application and select Standard exe project.



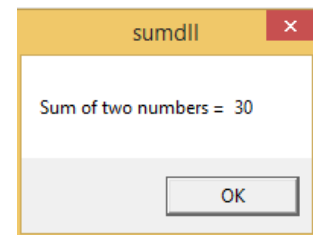
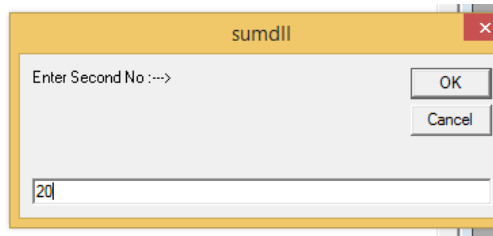
Add 'sumdll' References from the project menu which you create



Write following code in load event of the form.



Run the project.

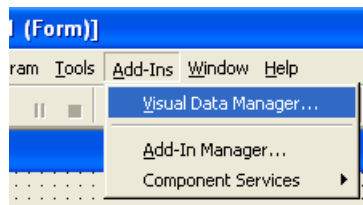


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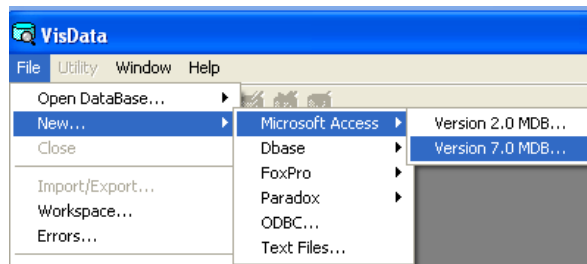
Prepare an application for maintaining the book information using DAO (It should contain facility of navigation, add, delete, modify and search).

=====

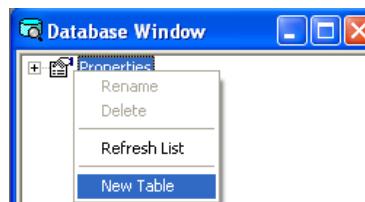
- 1) Open Standard exe Form and create Database
Select Add-Ins → VisualData Manager



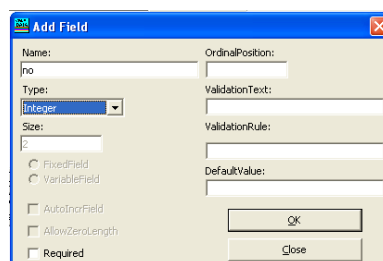
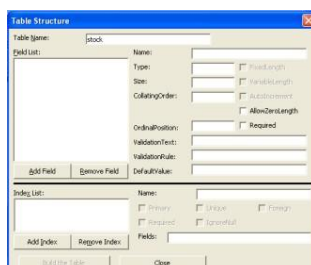
Select File → New → Microsoft Access → Version 7.0 mdb
Save database in proper path



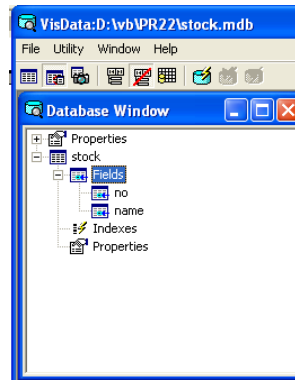
Create table



Here I create 'stock' table. There are 'no' & 'name' fields in stock table. After completion of create table you must select build table.

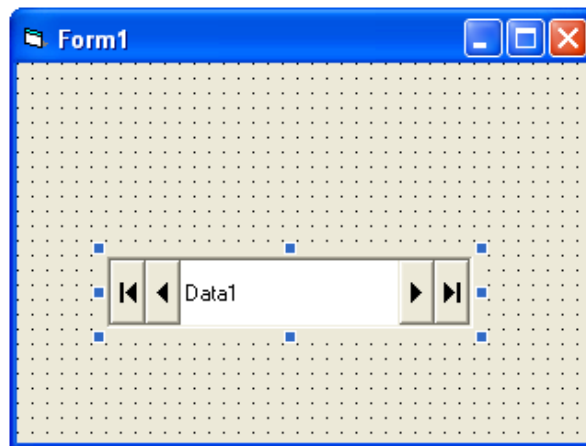


Now you can see as follow.

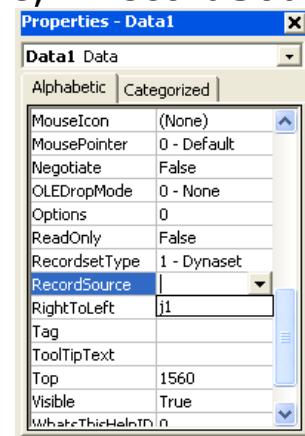
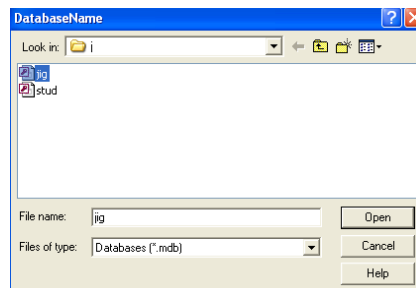
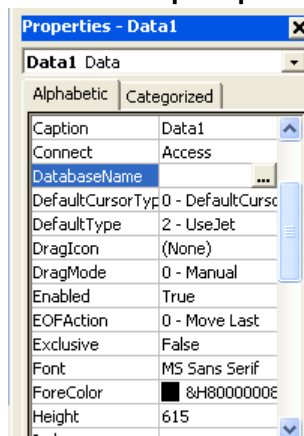


Here you have to create book maintaining database in this practical.

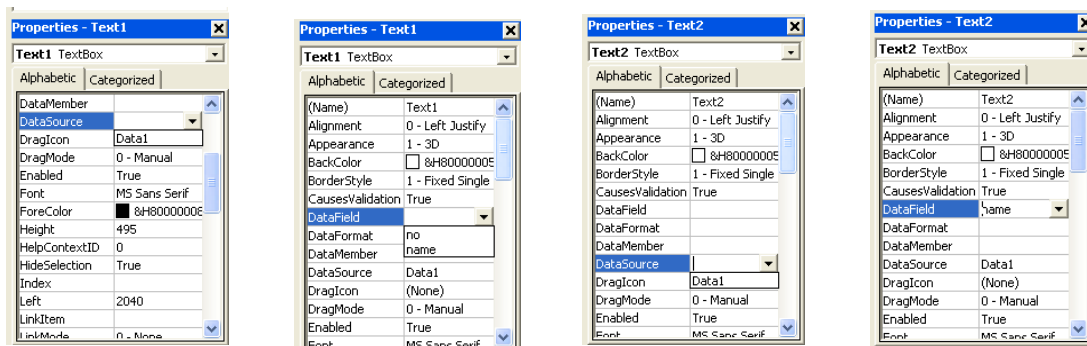
- 2) Drag & drop DAO control in the form



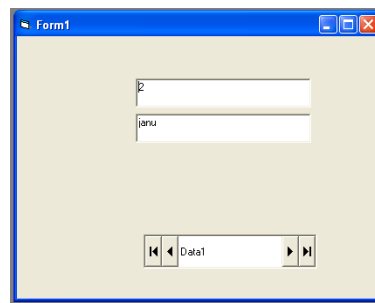
- 3) Set the property of Data1 DatabaseName, RecordSource



- 4) Add 2 TextBox in form and set the property DataSource, DataField



- 5) Run the Form



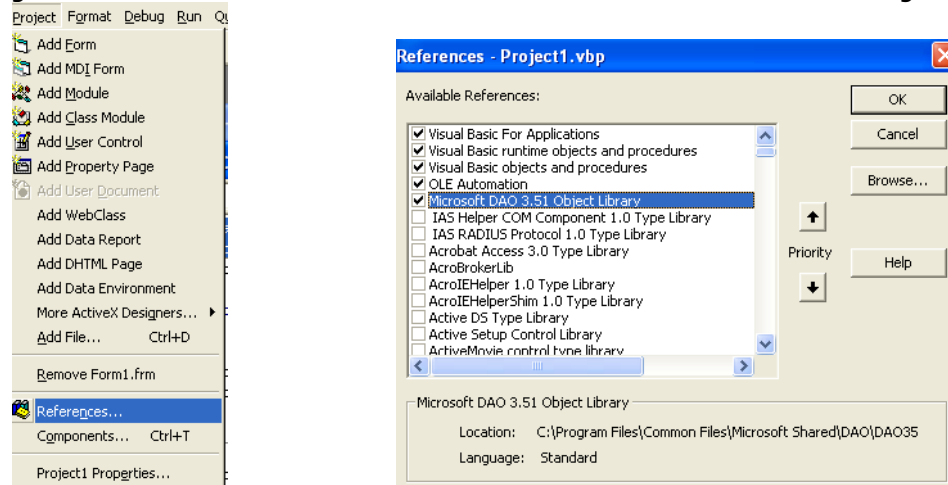
Unbound :

First open Visual Basic Application and select standard exe project.

- Insert different control in the Form which you require and Set appropriate property for all control.

Set references from project menu.

Select Project → References → Microsoft DAO 3.51 Object Library



Dim db As Database
Dim rs As Recordset

Private Sub Form_Load()

Set db = OpenDatabase("C:\Users\DELL\Desktop\DAO\studinfo. mdb")

Set rs = db.OpenRecordset("sem3", dbOpenTable)

TxtNo.Text = rs.Fields("no")

txtName.Text = rs.Fields("name")

txtCity.Text = rs.Fields("city")

End Sub

Private Sub cmdAdd_Click()

rs.AddNew

rs.Fields(0) = TxtNo.Text

rs.Fields("name") = txtName.Text

rs.Fields(2) = txtCity.Text

rs.Update

End Sub

Private Sub cmdDel_Click()

rs.Delete

If rs.EOF Then

rs.MoveFirst

Else

```
rs.MoveLast
End If
    TxtNo.Text = rs.Fields("no")
    txtName.Text = rs.Fields("name")
    txtCity.Text = rs.Fields("city")
End Sub
```

```
Private Sub cmdFirst_Click()
    rs.MoveFirst
    TxtNo.Text = rs.Fields("no")
    txtName.Text = rs.Fields("name")
    txtCity.Text = rs.Fields("city")
End Sub
```

```
Private Sub cmdLast_Click()
    rs.MoveLast
    TxtNo.Text = rs.Fields("no")
    txtName.Text = rs.Fields("name")
    txtCity.Text = rs.Fields("city")
End Sub
```

```
Private Sub cmdNext_Click()
    rs.MoveNext
    If rs.EOF = True Then
        rs.MoveFirst
    End If

    TxtNo.Text = rs.Fields("no")
    txtName.Text = rs.Fields("name")
    txtCity.Text = rs.Fields("city")
End Sub
```

```
Private Sub cmdPre_Click()
    rs.MovePrevious

    If rs.BOF = True Then
        rs.MoveLast
    End If
```

```
    TxtNo.Text = rs.Fields("no")
    txtName.Text = rs.Fields("name")
    txtCity.Text = rs.Fields("city")
End Sub

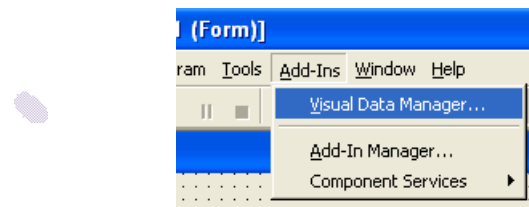
Private Sub cmdSearch_Click()
    rs.MoveFirst
    a = Val(txtSerch.Text)
    Do While Not rs.EOF
        b = rs.Fields("no")
        If b = a Then
            TxtNo.Text = rs.Fields("no")
            txtName.Text = rs.Fields("name")
            txtCity.Text = rs.Fields("city")
            MsgBox "Record find"
            Exit Do
        Else
            rs.MoveNext
        End If
    Loop
End Sub
```

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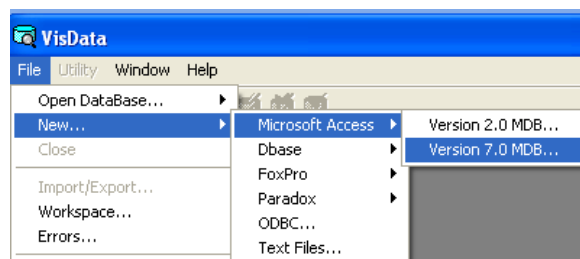
Create an application for maintaining stock information using RDO data control (It should contain facility of navigation, add, delete, modify and search) Create Crystal Report also.

First Open New project standard.exe and Design the following form and set the property for all control.

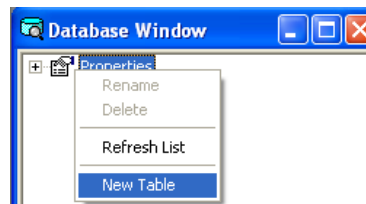
create Database Select Add-Ins → VisualData Manager



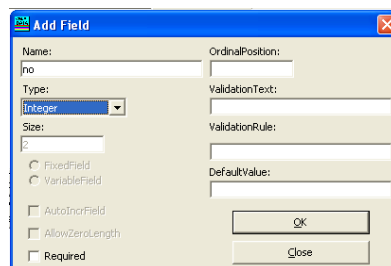
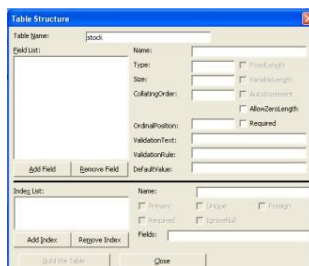
Select File → New → Microsoft Access → Version 7.0 mdb
Save database in proper path



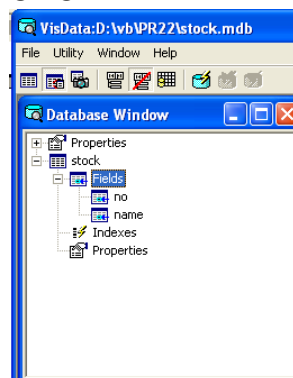
Create table



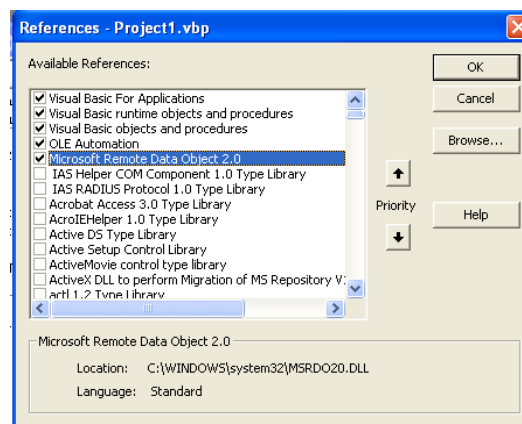
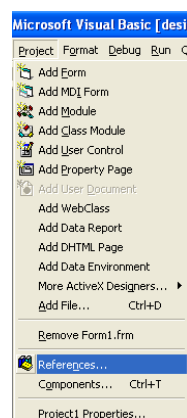
Here I create 'stock' table. There are 'no' & 'name' fields in stock table. After completion of create table you must select build table.



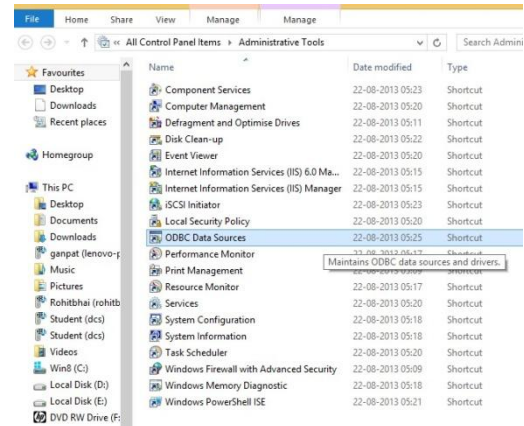
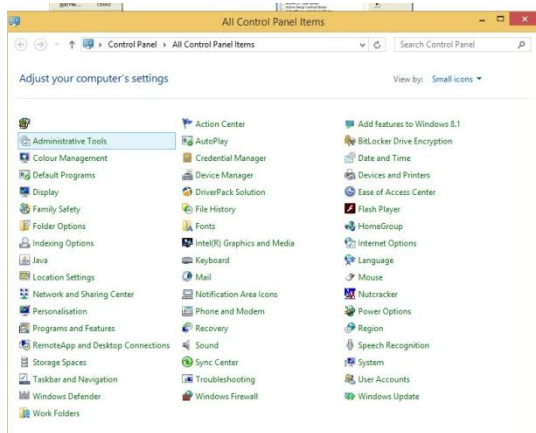
Now you can see as follow.



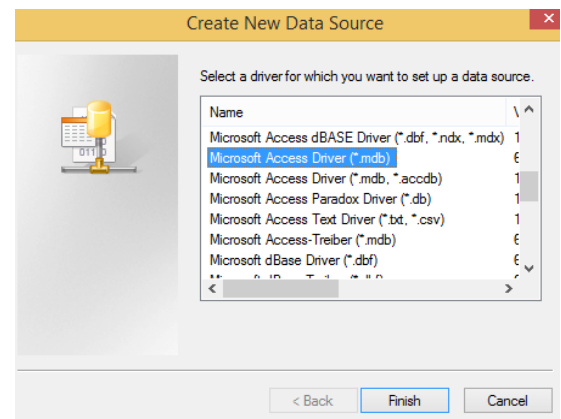
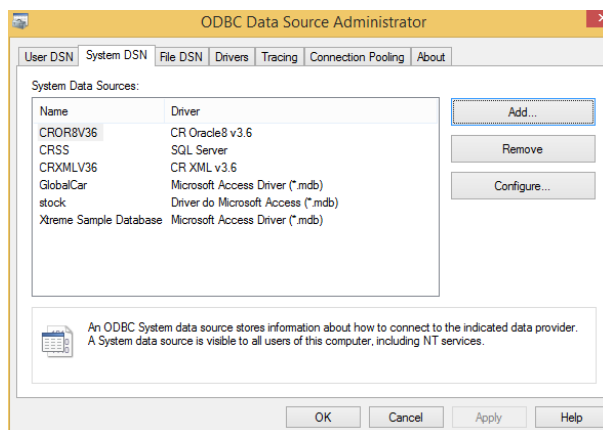
Now you can see as follow. Select Project → References → Microsoft Remote Data Object 2.0



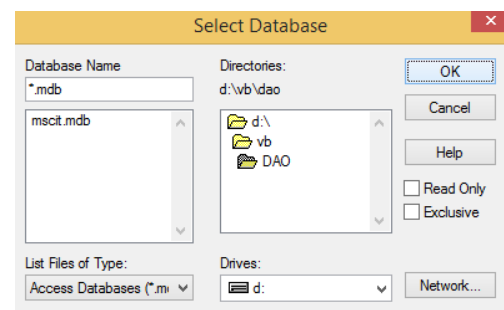
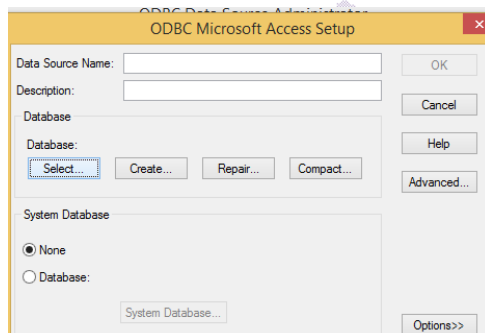
Open Control Panel from start menu and select administrative tools.



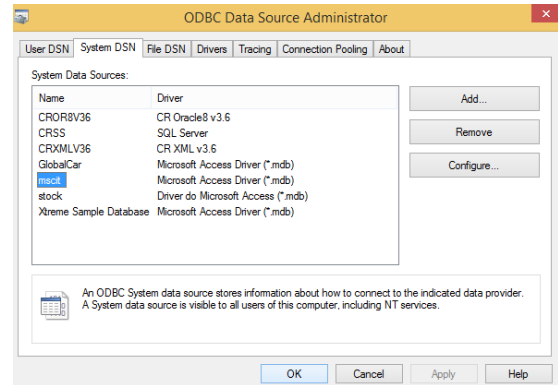
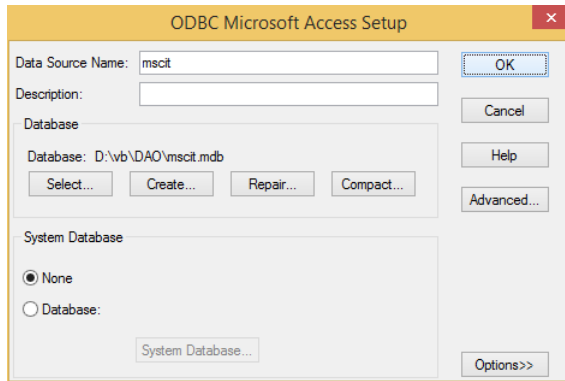
Select Data Sources(ODBC) → System DSN → Add Select Driver db Microsoft Access(*.mdb) and finish.



Now Select the database.



Type in Data Source Name then select ok button you can see data source name in this window



```
Dim db As rdoConnection
Dim rs As rdoResultset
```

```
Private Sub Form_Load()
Set db = rdoEngine.rdoEnvironments(0).OpenConnection("info")
Set rs = db.OpenResultset("select * from stock", rdOpenKeyset,
    rdCriteriaUpdCols)
Text1.Text = rs(0).Value
Text2.Text = rs(1).Value
End Sub
```

```
Private Sub add_Click()
    rs.AddNew
    rs(0) = Text1.Text
    rs(1) = Text2.Text
    rs.update
    MsgBox "record INSERTED sucessfully"
End Sub
```

```
Private Sub ClearCmd_Click()
    Text1.Text = ""
    Text2.Text = ""
    Text5.Text = ""
End Sub
```

```
Private Sub ReportCmd_Click()
    cr1.ReportFileName = "F:\vb\Sem I 2016\RDO\repo1.rpt"
    cr1.Action = 1
End Sub
```

```
Private Sub delete_Click()  
    rs.delete  
    rs.MoveNext  
    If rs.EOF Then  
        rs.MoveLast  
    End If  
    Text1.Text = rs(0)  
    Text2.Text = rs(1)  
    MsgBox "record deleted sucessfully"  
End Sub
```

```
Private Sub EXIT_Click()  
    End  
End Sub
```

```
Private Sub FIRST_Click()  
    rs.MoveFirst  
    Text1.Text = rs(0)  
    Text2.Text = rs(1)  
End Sub
```

```
Private Sub LAST_Click()  
    rs.MoveLast  
    Text1.Text = rs(0).Value  
    Text2.Text = rs(1).Value  
End Sub
```

```
Private Sub NEXT_Click()  
    rs.MoveNext  
    If rs.EOF = True Then  
        rs.MoveFirst  
    End If  
    Text1.Text = rs(0).Value  
    Text2.Text = rs(1).Value  
End Sub
```

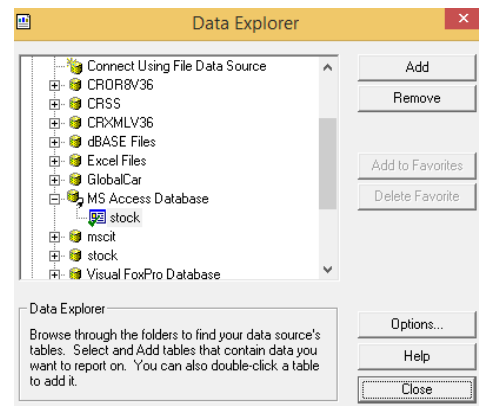
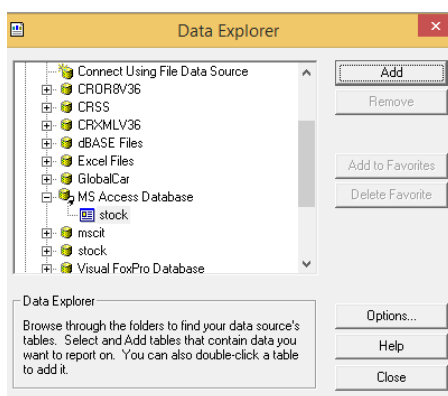
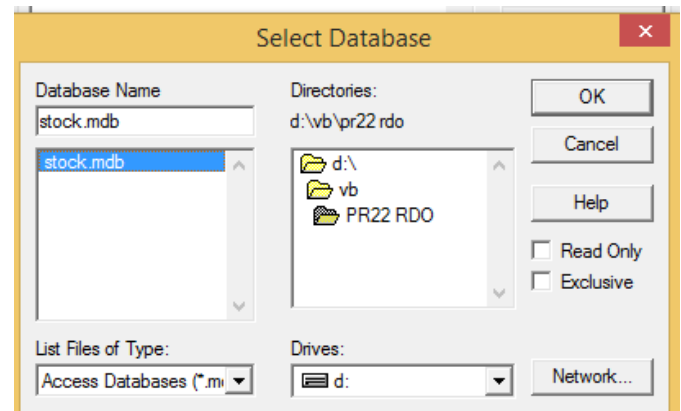
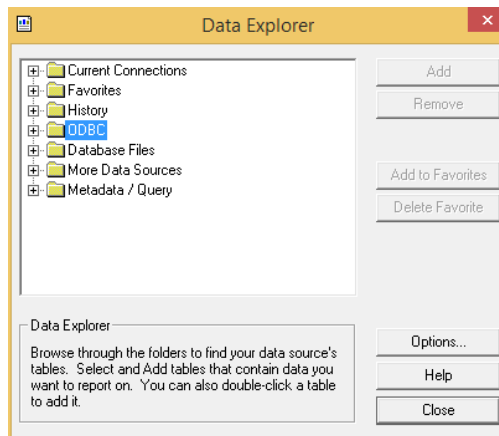
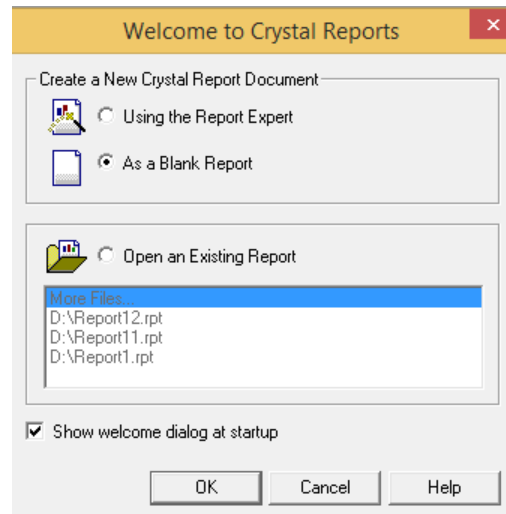
```
Private Sub PRE_Click()  
    rs.MovePrevious  
    If rs.BOF = True Then
```

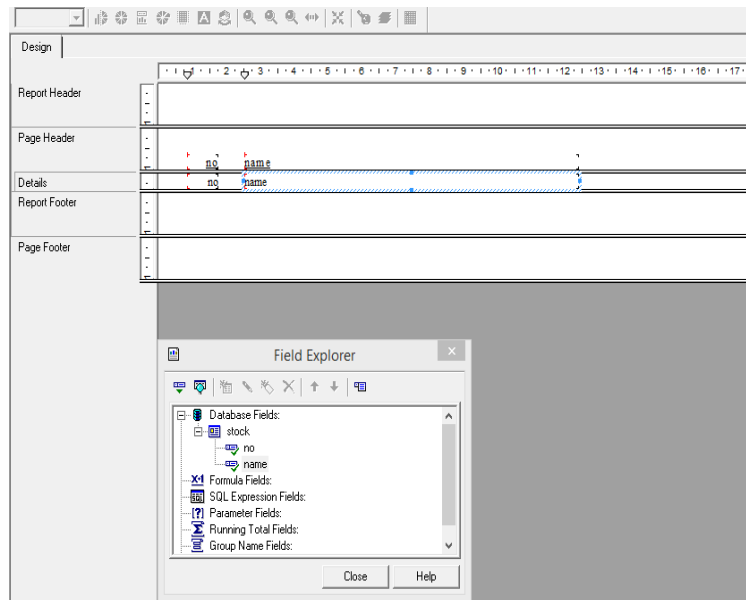
```
        rs.MoveLast
    End If
    Text1.Text = rs(0)
    Text2.Text = rs(1)
End Sub
```

```
Private Sub search_Click()
temp = 0
rs.MoveFirst
a = Val(Text5.Text)
Do While Not rs.EOF
b = rs(0).Value
If b = a Then
    Text1.Text = rs(0).Value
    Text2.Text = rs(1).Value
    MsgBox "Record find"
    temp = 1
    Exit Do
Else
    rs.MoveNext
End If
Loop
If temp = 0 Then
    MsgBox "Record Not Found"
End If
End Sub
```

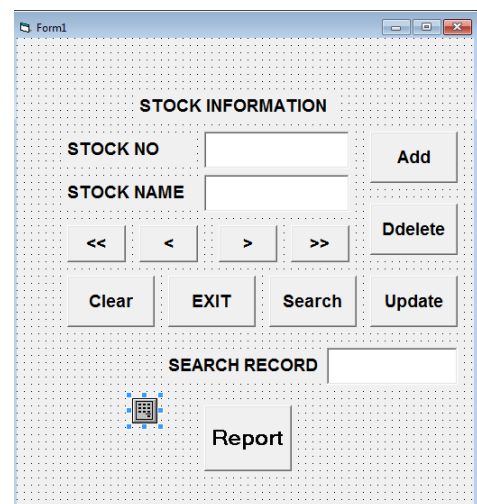
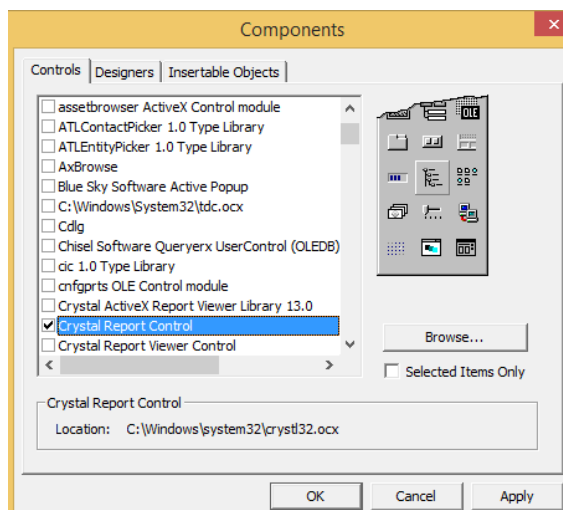
```
Private Sub update_Click()
    rs.Edit
    rs(0) = Text1.Text
    rs(1) = Text2.Text
    rs.update
    MsgBox "Record UPDATED"
End Sub
```

Crystal Report : →start button→program→Crystal Report Tools
→ Crystal Reports





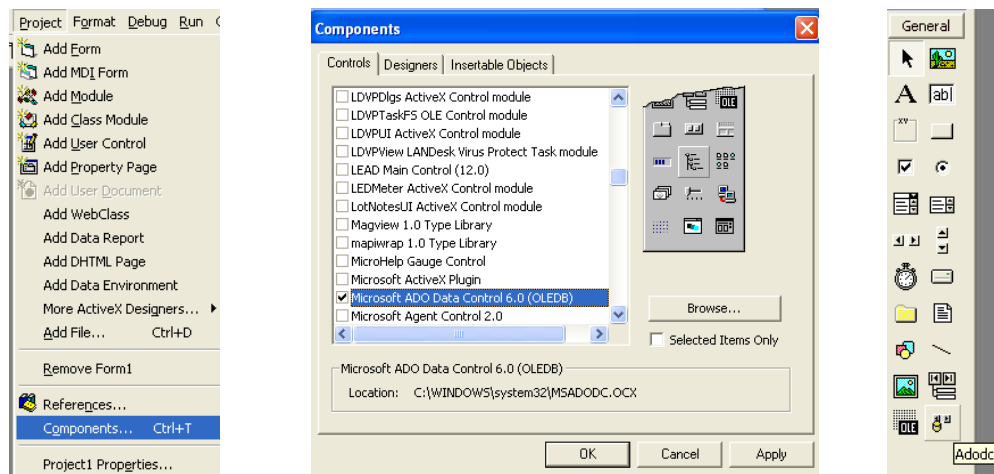
Save crystal report. Now Add component in the form.



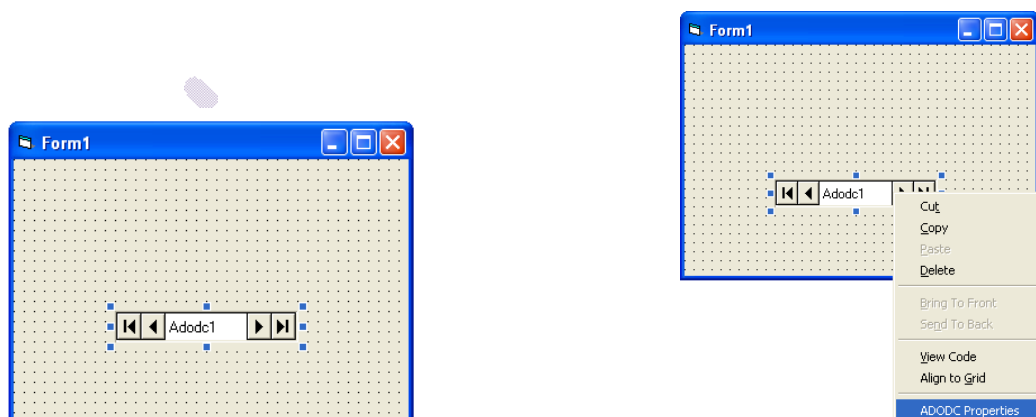
Practical No : - 23

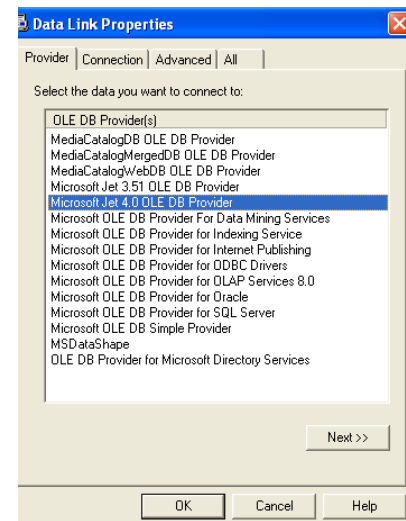
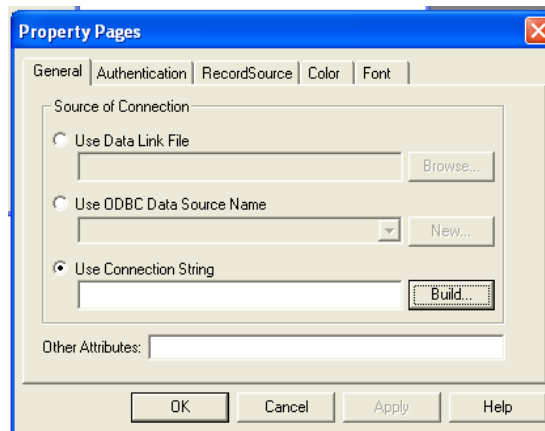
Develop an application for maintaining employee information using ADO (It should contain facility of navigation, add, delete, modify and search) and create the Data report of that database with or without wizard.

First Open New project standard.exe. Add components from project menu.

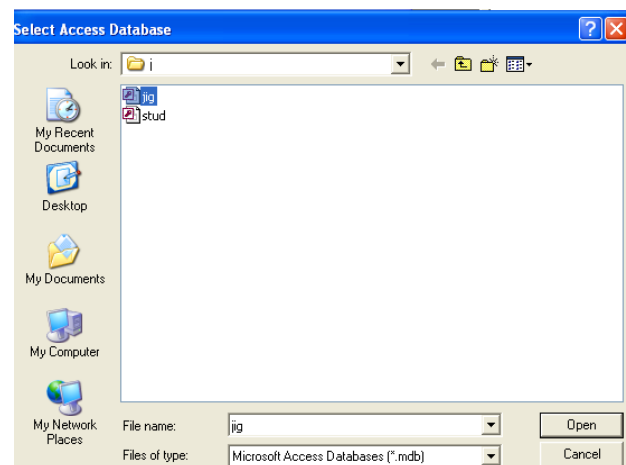
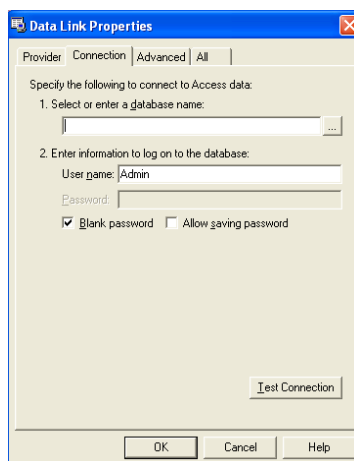


Add ADODC into form → Set the ADODC Properties → Build → Microsoft Jet 4.0 OLE DB Provider → Next

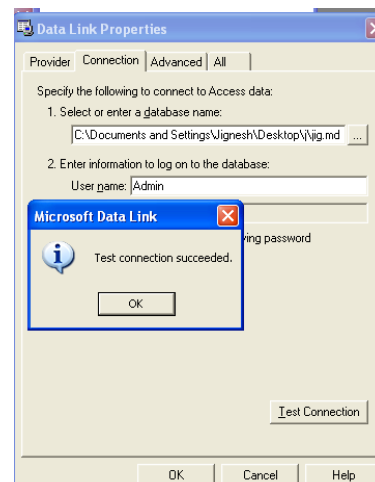
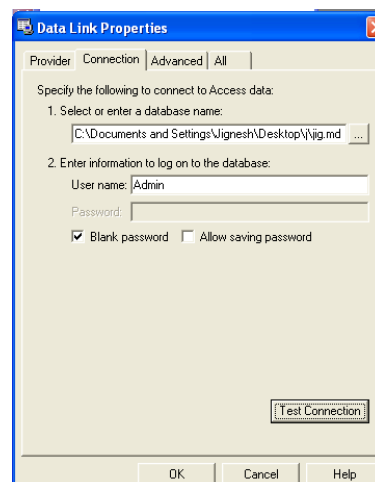




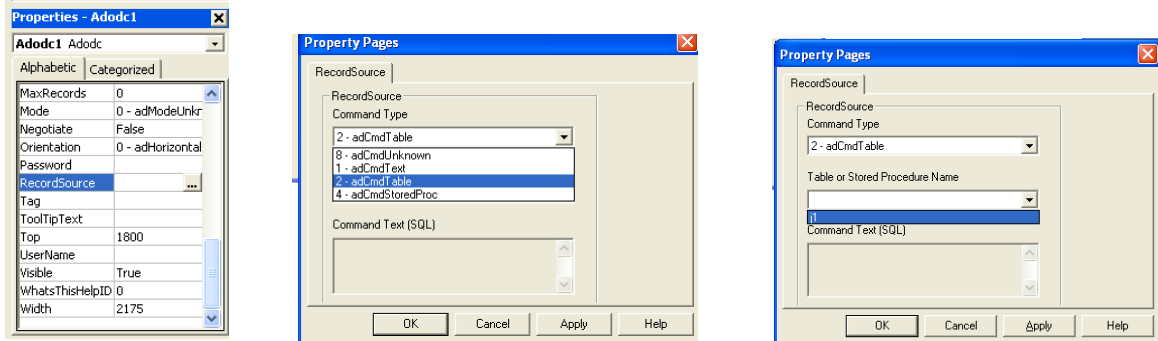
Now Select database then.



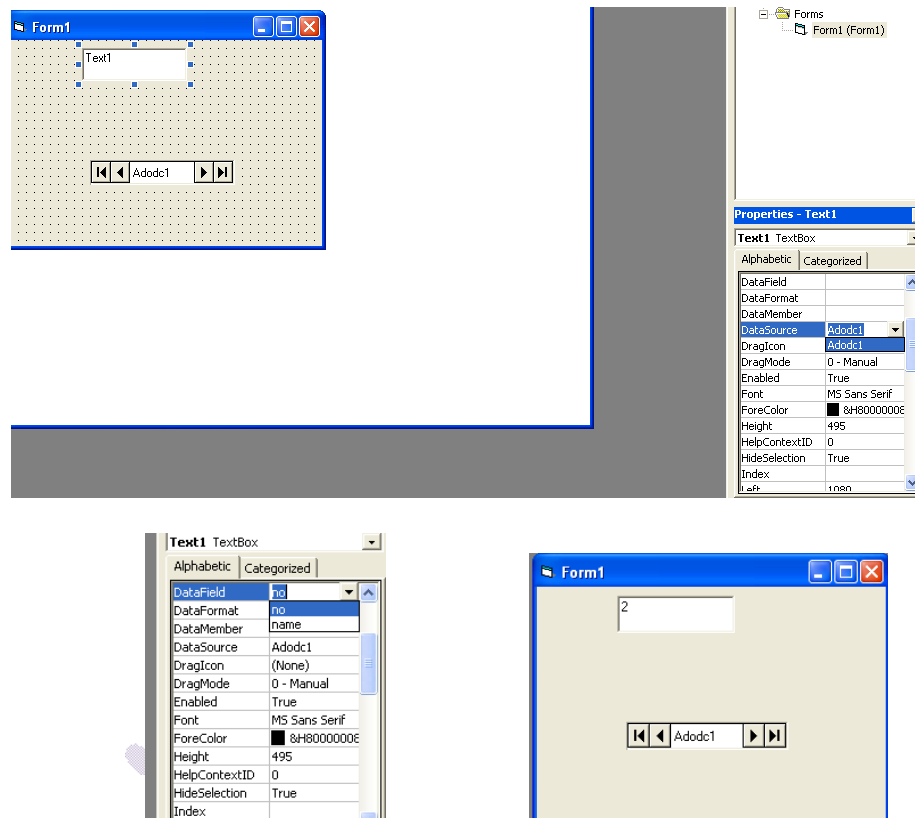
Click on Test Connection button.



Set the ADODC property.



Enter text box control in the form and set properties as follow.



Unbound :

First open Visual Basic Application and select standard exe project.

→ Insert different control in the Form which you require and Set appropriate property for all control.

Form1

Employee Data

Emp_id: 2009IT1

Emp_name: V H B

Address: Pareva Circle
Opp Rajvi Bungalows

City: Patan

Mobile Number: 79847 56638

Salary: 150000

Operation

Add

Delete

Update

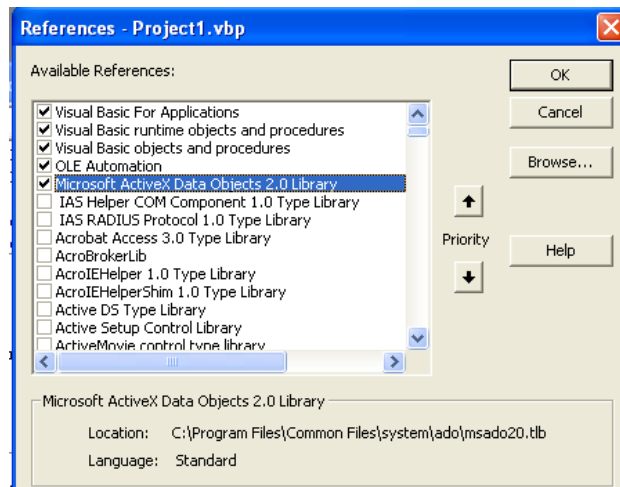
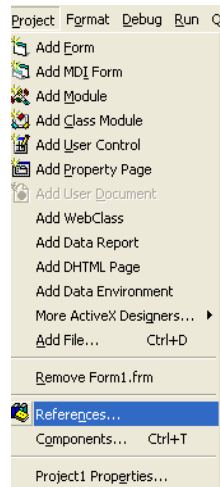
Search

Navigation

First Previous Next Last

Set references from project menu.

Select Project → References → Microsoft Activex Data Objects 2.0 Library.



```
Dim cn As ADODB.Connection
```

```
Dim rs As ADODB.Recordset
```

```
Dim a As Integer
```

```
Dim c As Integer
```

```
Private Sub Form_Load()  
    Set cn = New ADODB.Connection  
    Set rs = New ADODB.Recordset  
    cn.ConnectionString = "Provider=Microsoft.Jet.OLEDB.4.0;  
        Data Source=employee.mdb"  
    cn.Open rs.Open "select * from emp", cn, adOpenDynamic,  
        adLockOptimistic  
    show_data  
End Sub
```

```
Private Sub cmdadd_Click()  
    If rs.RecordCount > 0 Then  
        rs.MoveLast  
    End If  
    rs.AddNew  
    get_data  
End Sub
```

```
Private Sub cmddeleet_Click()  
    rs.Delete  
    rs.MoveNext  
    If rs.EOF = False Then  
        show_data  
    ElseIf rs.RecordCount > 0 Then  
        rs.MoveFirst  
        show_data  
    End If  
End Sub
```

```
Private Sub cmdfirst_Click()  
    rs.MoveFirst  
    show_data  
End Sub
```

```
Private Sub cmdlast_Click()  
    rs.MoveLast  
    show_data  
End Sub
```

```
Private Sub cmdnext_Click()  
    rs.MoveNext  
    If rs.EOF Then  
        rs.MoveFirst  
    End If  
    show_data  
End Sub
```

```
Private Sub cmdprev_Click()  
    rs.MovePrevious  
    If rs.BOF Then  
        rs.MoveLast  
    End If  
    show_data  
End Sub
```

```
Private Sub cmdsearch_Click()  
    c = 0  
    rs.MoveFirst  
    a = InputBox("enter the id for search")  
    Do While Not rs.EOF  
        If rs(0) = a Then  
            show_data  
            c = 1  
            Exit Do  
        Else  
            rs.MoveNext  
        End If  
    Loop  
    If c = 0 Then  
        MsgBox "Record Not found"  
    End If  
End Sub
```

```
Private Sub cmdupdate_Click()  
    get_data  
    rs.Update  
End Sub
```

```
Public Sub show_data()  
    txtid.Text = rs.Fields(0)  
    txtname.Text = rs!emp_name  
    txtadd.Text = rs(2)  
    txtcity.Text = rs(3)  
    txtmno.Text = rs(4)  
    txtsalary.Text = rs(5)  
End Sub
```

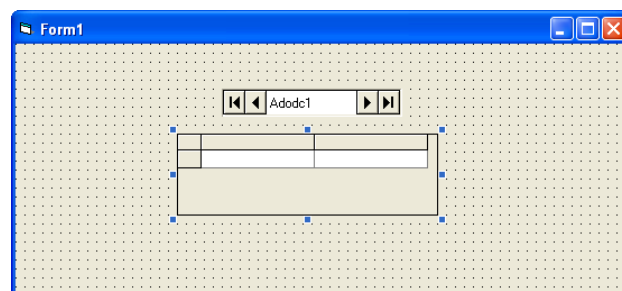
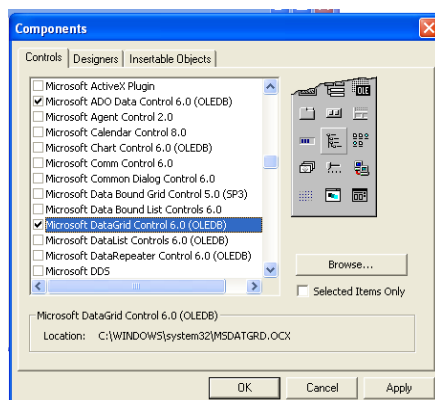
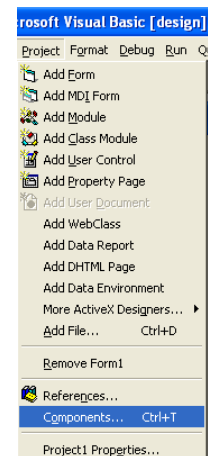
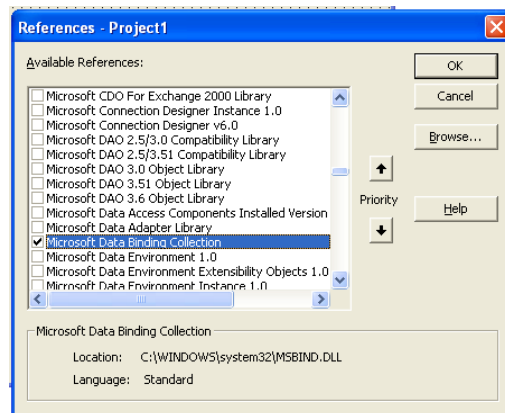
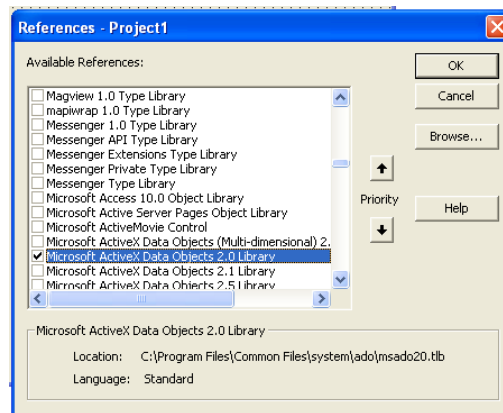
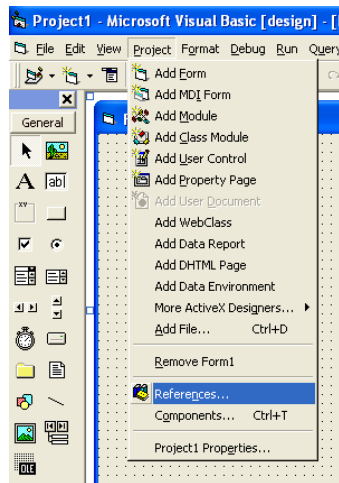
```
Public Sub get_data()  
    rs.Fields(0) = txtid.Text  
    rs!emp_name = txtname.Text  
    rs(2) = txtadd.Text  
    rs(3) = txtcity.Text  
    rs(4) = txtmno.Text  
    rs(5) = txtsalary.Text  
End Sub
```

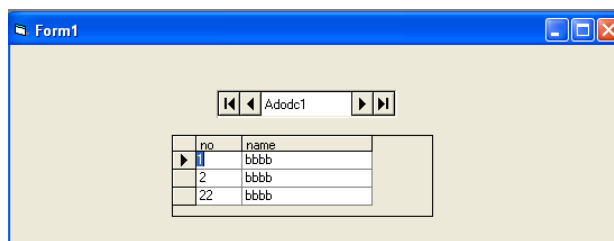
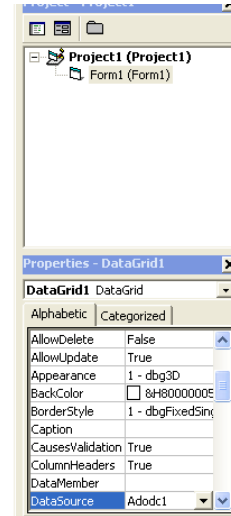
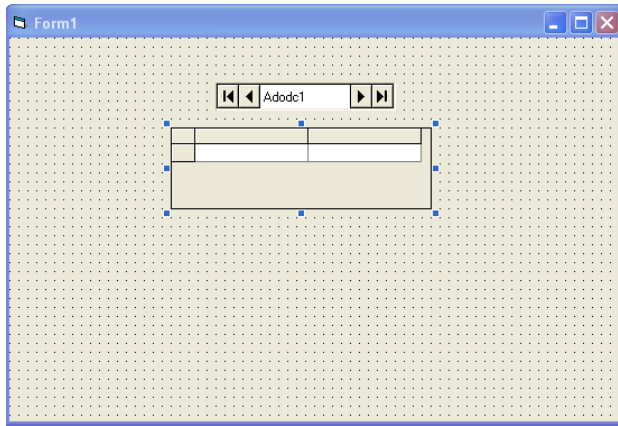
Practical No : - 24

Write a program that demonstrate the use of Datagrid control by performing various operations.

=====

First Open New project standard.exe. Add components from project menu.





Practical No : - 25

Write a program to demonstrate the file manipulation.

=====

First open Visual Basic Application and select standard exe project.

→ Insert different control in the Form which you require and Set appropriate property for all control.

The screenshot shows a Visual Basic form titled 'Form1'. It contains two main groups of buttons. The first group, labeled 'File Operation', includes buttons for 'Open', 'Read', 'Append', 'Write', 'Copy', 'ReName', 'Delete', and 'Move'. The second group, labeled 'Directory Operation', includes buttons for 'Make Directory', 'Change Directory', 'Remove Directory', and 'Change Drive'. Below these groups is a large text box labeled 'Preview'.

```
Private Sub cmdChangeDir_Click()  
    ChDir "f:\sem3"  
End Sub
```

```
Private Sub cmdChangeDrive_Click()  
    ChDrive (f)  
End Sub
```

```
Private Sub cmdCopy_Click()  
    FileCopy "f:\s1.txt", "f:\s2.txt"  
End Sub
```

```
Private Sub cmdDelete_Click()  
    Kill "f:\s3.txt"  
End Sub
```

```
Private Sub cmdMkDir_Click()  
    MkDir "f:\sem3"  
End Sub
```

```
Private Sub cmdMove_Click()  
    FileCopy "f:\s2.txt", "f:\s3.txt"  
    Kill "f:\s2.txt"  
End Sub
```

```
Private Sub cmdRename_Click()  
    Name "f:\s2.txt" As "f:\s3.txt"  
End Sub
```

```
Private Sub cmdRenameDir_Click()  
    Rmdir "f:\sem3"  
End Sub
```

```
Private Sub cmdOpen_Click()  
    Dim path As String, file As String  
    Dim d As Double  
    path = "C:\Windows\notepad.exe"  
    file = "f:\s1.txt"  
    d = Shell(path + " " + file, vbNormalFocus)  
    MsgBox "Text "  
End Sub
```

```
Private Sub cmdRead_Click()  
    Dim s As Integer  
    Dim ab, s1 As String  
    s = FreeFile  
    ChDrive ("f")
```

```
    Open "\S1.txt" For Input As #s
    While Not EOF(s)
        Input #s, ab
        s1 = s1 & "" & ab
    Wend
txt.Text = s1
Close #s
End Sub
```

```
Private Sub cmdWrite_Click()
    Dim ab As String
    Dim s As Integer
    s = FreeFile
    ChDrive ("f")
    Open "\S1.txt" For Output As #s
    ab = InputBox("string")
    Print #s, ab
    Close #s
End Sub
```

```
Private Sub cmdAppend_Click()
    Dim ab As String
    Dim s As Integer
    s = FreeFile
    ChDrive ("f")
    Open "\S1.txt" For Append As #s
    ab = InputBox("string")
    Print #s, ab
    Close #s
End Sub
```
