

Intergrated Database with Visual Basic.

1.	<pre>Declare all variable as public : Dim con As New OleDb.OleDbConnection Dim dbProvider As String Dim dbSource As String Dim ds As New DataSet Dim da As OleDb.OleDbDataAdapter Dim sql As String Dim inc As Integer Dim MaxRows As Integer</pre>
2.	<pre>Create connection with database : [event button click or form_load] dbProvider = " PROVIDER= Microsoft.ACE.OLEDB.12.0;" dbSource = "Data Source = [database_name]. accdb" con.ConnectionString = dbProvider & dbSource con.Open() sql = "SELECT * FROM [table_name]" da = New OleDb.OleDbDataAdapter(sql, con) da.Fill(ds, "[database_name]") MsgBox("Database is now open") inc = -1 MaxRows = ds.Tables("[database_name]").Rows.Count</pre> <p>Note:</p> <p><u>for access 2010</u></p> <pre>dbProvider = "PROVIDER= Microsoft.ACE.OLEDB.12.0;" dbSource = "Data Source = [database_name]. accdb "</pre> <p>http://www.microsoft.com/en-us/download/details.aspx?id=13255</p>

3	<p>Navigation Record :</p> <p>3.1 : Create procedure : object in VB with field table</p> <pre>PrivateSub NavigateRecords() TextBox1.Text = ds.Tables("[database_name]").Rows(inc).Item(0) TextBox2.Text = ds.Tables("[database_name]").Rows(inc).Item(1) TextBox3.Text = ds.Tables("[database_name]").Rows(inc).Item(2) TextBox4.Text = ds.Tables("[database_name]").Rows(inc).Item(3) EndSub</pre> <hr/> <p>3.2 : Previous Button :</p> <pre> If inc > 0 Then inc = inc - 1 NavigateRecords() ElseIf inc = -1 Then MsgBox("No Records Yet") ElseIf inc = 0 Then MsgBox("First Record") EndIf</pre> <hr/> <p>3.3 : Next Button</p> <pre> If inc <> MaxRows - 1 Then inc = inc + 1 NavigateRecords() Else MsgBox("No More Rows") EndIf</pre>

	<p>3.3 : Goto first record</p> <pre>If inc <> 0 Then inc = 0 NavigateRecords() EndIf</pre> <hr/> <p>3.4 : Goto last record</p> <pre>If inc <> MaxRows - 1 Then inc = MaxRows - 1 NavigateRecords() EndIf</pre>
4	<p>Update record :</p> <pre>Dim cb AsNew OleDb.OleDbCommandBuilder(da) ds.Tables("[database_name]").Rows(inc).Item(0) = TextBox1.Text ds.Tables("[database_name]").Rows(inc).Item(1) = TextBox2.Text ds.Tables("[database_name]").Rows(inc).Item(2) = TextBox3.Text ds.Tables("[database_name]").Rows(inc).Item(3) = TextBox4.Text da.Update(ds, "[database_name]") MsgBox("Data updated")</pre>

5.	<p>Add Record :</p> <p>Note :Make all textbox clear</p> <p>Saved Record</p> <pre>If inc <> -1 Then Dim cb As New OleDb.OleDbCommandBuilder(da) Dim dsNewRow As DataRow dsNewRow = ds.Tables("[database_name]").NewRow() dsNewRow.Item(0) = TextBox1.Text dsNewRow.Item(1) = TextBox2.Text dsNewRow.Item(2) = TextBox3.Text dsNewRow.Item(3) = TextBox4.Text ds.Tables("[database_name]").Rows.Add(dsNewRow) da.Update(ds, "[database_name]") MsgBox("New Record added to the Database") MaxRows = ds.Tables("[database_name]").Rows.Count inc = MaxRows - 1 Else MsgBox("First Record") EndIf</pre>
6	<p>Delete Record</p> <pre>Dim cb AsNew OleDb.OleDbCommandBuilder(da) ds.Tables("[database_name]").Rows(inc).Delete() MaxRows = MaxRows - 1 inc = 0</pre>

	<pre> NavigateRecords() da.Update(ds, "[database_name]") </pre>
7	<pre> Search Dim i As Integer Dim flag As Boolean For i = 0 To MaxRows - 1 If TextBox7.Text = CStr(ds.Tables("[database_name]").Rows(i).Item(0)) Then inc = i NavigateRecords() flag = True EndIf Next If flag <> True Or TextBox7.Text = "" Then MsgBox("No data found") TextBox7.Focus() EndIf </pre>
LOGIN	<pre> imports System.Data.OleDb Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click ' OK button Dim con As New OleDbConnection("Provider=Microsoft.jet.oledb.4.0;data source= login.mdb") Dim cmd As OleDbCommand = New OleDbCommand("SELECT * FROM pass_detail WHERE user = '" & TextBox1.Text & "' AND pass = '" & TextBox2.Text & "' ", con) con.Open() Dim sdr As OleDbDataReader = cmd.ExecuteReader() ' If the record can be queried, Pass verification and open another form. If (sdr.Read() = True) Then MessageBox.Show("The user is valid!") Dim MainForm As New Form2 MainForm.Show() Me.Hide() Else MessageBox.Show("Invalid username or password!") End If End Sub </pre>

	<pre>Imports CrystalDecisions.CrystalReports.Engine Imports System.IO Form2.Show() Dim cryRpt As New ReportDocument cryRpt.Load("C:\Users\Dell\Desktop\ADW_BCC_2012\database04\pelajar\pelajar\CrystalReport2.rpt") Form2.CrystalReportViewer1.ReportSource = cryRpt Form2.CrystalReportViewer1.Refresh() End Sub</pre>