**Database connectivity**

Imports System.Data

Imports System.Data.OleDb

Public Class Form1 Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Dim conn As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data " & "Source=C:\Users\Purva\Documents\Visual Studio 2012 \ Projects \ Datagrid \ stud.mdb")

Conn.Open()

Dim cmd As New OleDbCommand("Select \* From Marks", conn)

Dim da As New OleDbDataAdapter(cmd)

Dim ds As New DataSet

da.Fill(ds, "Marks")

DataGrid1.CaptionText = "marks"

DataGrid1.DataSource = ds

DataGrid1.DataMember = "marks"

End Sub

End Class

**Insert , Update , Delete , Select Operations on Database**



Imports System.Data.OleDb

Public Class Form1

Dim cn As OleDbConnection

Dim cmd As OleDbCommand

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

cn = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\LAB - 2 PC - 20\Desktop\expt27.mdb")

cmd = New OleDbCommand("INSERT INTO table1(id,name)values('" & TextBox1.Text & "','" & TextBox2.Text & "')",cn)

cn.Open()

cmd.ExecuteNonQuery()

cn.Close()

MsgBox("Saved!!!")

End Sub

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

cn = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\LAB - 2 PC - 20\Desktop\expt27.mdb")

cn.Open()

cmd = New OleDbCommand("Delete from table1 where id=" & TextBox1.Text, cn)

cmd.ExecuteNonQuery() 'not return values

MessageBox.Show("record deleted")

cn.Close()

End Sub

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

cn = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\LAB - 2 PC - 20\Desktop\expt27.mdb")

cn.Open()

cmd = New OleDbCommand("update table1 set name='abc' where id=" & TextBox1.Text, cn)

cmd.ExecuteNonQuery()

MessageBox.Show("record updated")

cn.Close()

End Sub

Private Sub Button2\_Click\_1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

cn = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\LAB - 2 PC - 20\Desktop\expt27.mdb")

cmd = New OleDbcommand("select \* from table1", cn)

Dim da As new OleDbDataAdapter(cmd)

Dim ds As New DataSet()

da.Fill(ds, "table1")

DataGridView1.DataSource = ds

DataGridView1.DataMember = "table1"

End Sub

End Class

# Data Binding And Binding Navigator

Imports System.Data.OleDb

Public Class Form1

Private Sub Form1\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Dim con As OleDbConnection

Dim ds As New DataSet

Dim cmd As OleDbCommand

Dim da As OleDbDataAdapter

con = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\Purva\Documents\Visual Studio 2012\Projects\Data binding\Student.mdb")

con.Open()

cmd = New OleDbCommand("Select \* From student", con) da = New OleDbDataAdapter(cmd)

da.Fill(ds, "student")

TextBox1.DataBindings.Add("Text", ds, "student.Roll\_No")

TextBox2.DataBindings.Add("Text", ds, "student.Name")

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click Me.BindingContext(ds, "student").Position = 0

End Sub

Private Sub Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click Me.BindingContext(ds, "student").Position = Me.BindingContext(ds,

"student").Position + 1

End Sub

Private Sub Button3\_Click(sender As Object, e As EventArgs) Handles Button3.Click Me.BindingContext(ds, "student").Position = Me.BindingContext(ds,

"student").Position – 1

End Sub

Private Sub Button4\_Click(sender As Object, e As EventArgs) Handles Button4.Click Me.BindingContext(ds, "student").Position=Me.BindingContext(ds,"student").Count-1

End Sub

End Class