

## Practical No 28, 29 & 30

### VIII. Resources required (Additional)

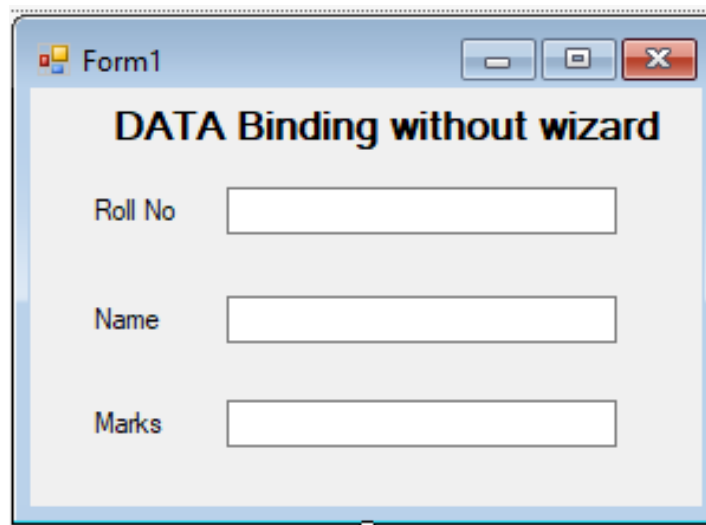
→ If any web resources required.

### X. Resources used (Additional)

<https://www.tutorialspoint.com/vb.net/vb.net>

### XI. Program Code

#### 1. Write a program using data binding in VB.Net



```
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
```

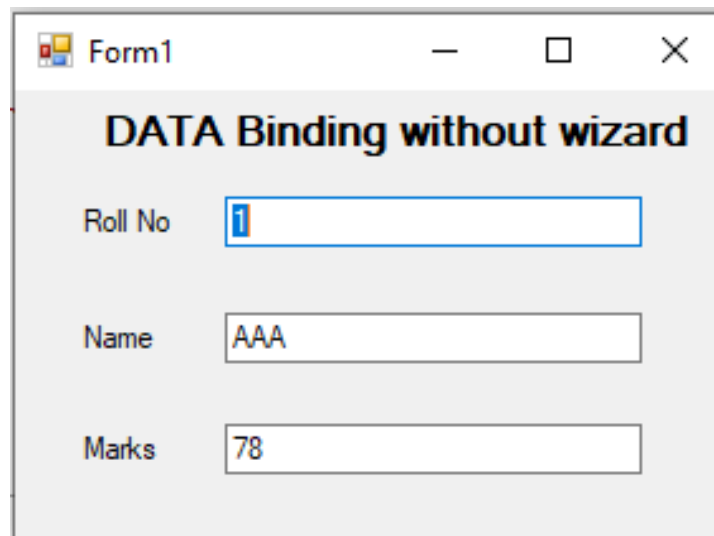
```
con = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data  
Source=C:\Users\Purva\Documents\Visual Studio 2012\Projects\Data  
binding\Student.mdb")  
con.Open()
```

```
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")  
TextBox3.DataBindings.Add("Text", ds, "student.Marks")
```

```
End Sub  
End Class
```

**Output:**

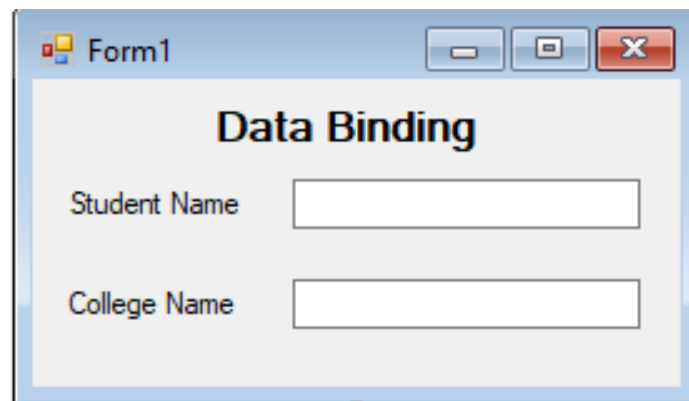


**XIII. Practical related Questions**

1. Write syntax of simple binding for text box.
  - `TextBox1.DataBindings.Add("Text", Dataset11, "table.empid")`
2. Write a syntax of complex binding for combo box.
  - `ComboBox1.DataSource=ds.Tables("table_name")`  
`ComboBox1.DisplayMember="field_name"`

**XIV. Exercise**

1. Design a windows application for student name and college name using a simple data binding use appropriate database.



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

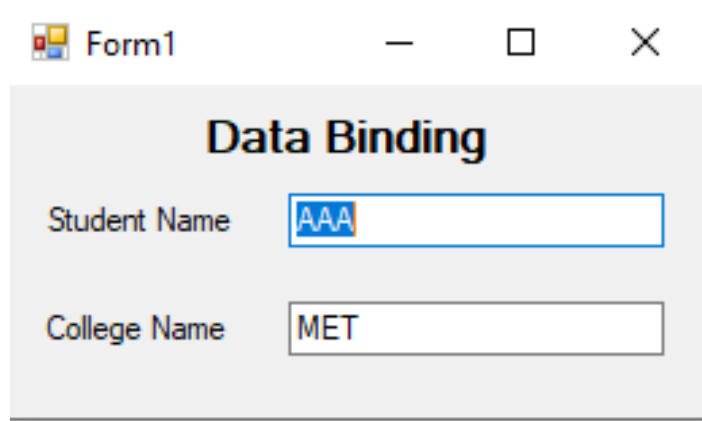
Dim da As OleDbDataAdapter

con = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\Purva\Documents\Visual Studio 2012\Projects\student data binding\db1.mdb")

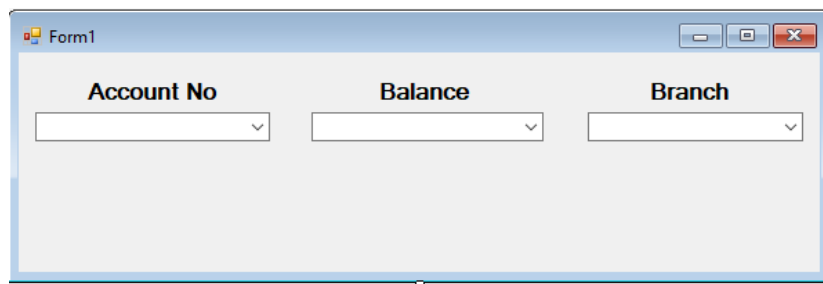
con.Open()

```
cmd = New OleDbCommand("Select * From Student", con)
da = New OleDbDataAdapter(cmd)
da.Fill(ds, "Student")
TextBox1.DataBindings.Add("text", ds, "Student.Name")
TextBox2.DataBindings.Add("text", ds, "Student.College")
End Sub
End Class
```

**OUTPUT:**



2. Design a windows application for bank customer record & display it using Complex data binding use appropriate database.



```
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\Bank Customer
Record\db1.mdb")
con.Open()
```

```
cmd = New OleDbCommand("Select * From Bank_Details", con)
da = New OleDbDataAdapter(cmd)
da.Fill(ds, "Bank_Details")
```

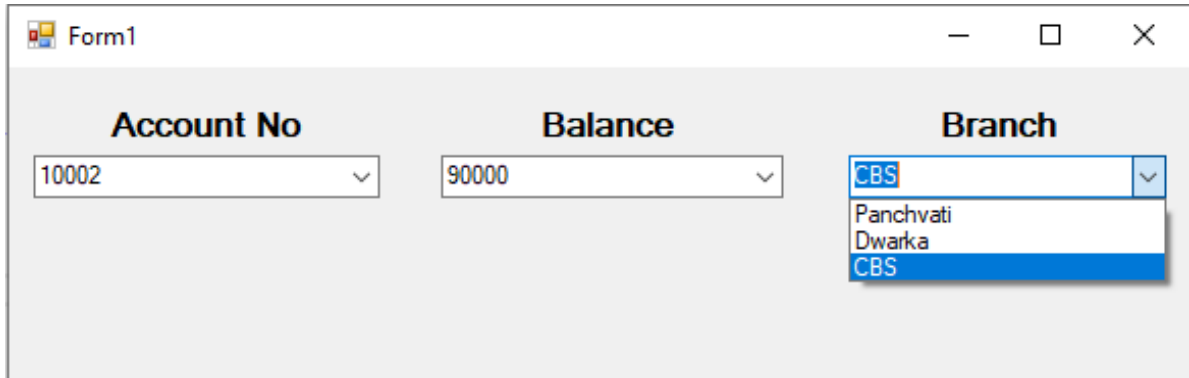
```
ComboBox1.DataSource = ds.Tables("Bank_Details")
```

```
ComboBox2.DataSource = ds.Tables("Bank_Details")  
ComboBox3.DataSource = ds.Tables("Bank_Details")
```

```
ComboBox1.DisplayMember = "Acc_No"  
ComboBox2.DisplayMember = "Balance"  
ComboBox3.DisplayMember = "Branch"
```

```
End Sub  
End Class
```

**OUTPUT:**



The screenshot shows a Windows application window titled "Form1". Inside the window, there are three labels: "Account No", "Balance", and "Branch". Below each label is a dropdown menu. The "Account No" dropdown shows "10002". The "Balance" dropdown shows "90000". The "Branch" dropdown is open, showing a list of items: "CBS", "Panchvati", "Dwarka", and "CBS". The first "CBS" item is highlighted in blue.