

## Practical No 25 & 26

### VIII. Resources required (Additional)

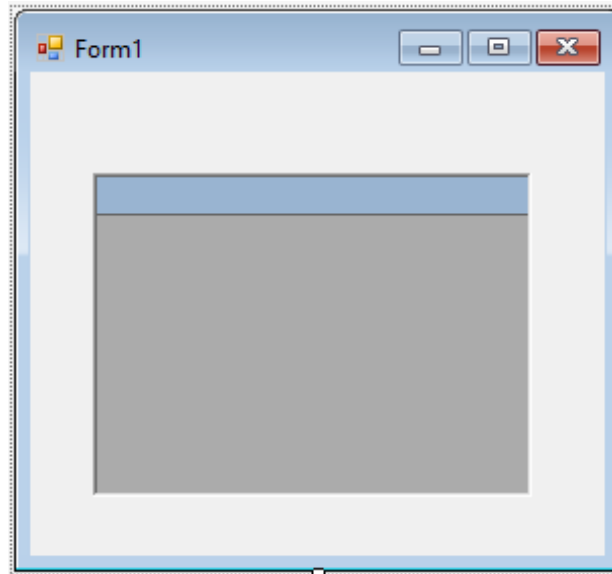
→ If any web resources required.

### X. Resources used (Additional)

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

### XI. Program Code

1. Write a program using data adapter to connect to the database.



```
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"
```

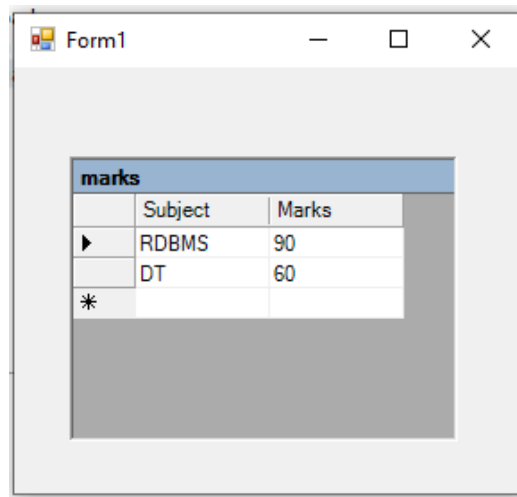
```
DataGrid1.DataSource = ds
```

```
DataGrid1.DataMember = "marks"
```

```
End Sub
```

```
End Class
```

**Output:**



**XIII. Practical related Questions**

**1. Find error from following code**

```
Dim adp As  
OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0DataSource=D:\mydata.accdb;")
```

- **Error 1**      **Type expected.**
- Error 2**      **'OleDbConnection' is a type and cannot be used as an expression.**
- Error 3**      **'Conn' is not declared. It may be inaccessible due to its protection level.**

**2. Write a data adapter syntax using a MS-access code with a student table.**

- `Dim da As OleDbDataAdapter`  
`Da=New OleDbDataAdapter(cmd)`

#### XIV. Exercise

1. Design the windows application in MS-Access which have navigation (Next, First, Previous, Last).



Imports System.Data.OleDb

Public Class Form1

Dim con As OleDbConnection

Dim ds As New DataSet

Dim cmd As OleDbCommand

Dim da As OleDbDataAdapter

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

'TODO: This line of code loads data into the 'Db1DataSet.student' table. You can move, or remove it, as needed.

Me.StudentTableAdapter.Fill(Me.Db1DataSet.student)

con = New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\Purva\Documents\Visual Studio 2012\Projects\Nav2\db1.mdb")

con.Open()

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

da = New OleDbDataAdapter(cmd)

da.Fill(ds, "student")

Me.TextBox1.DataBindings.Add("text", ds, "student.RollNo")

Me.TextBox2.DataBindings.Add("text", ds, "student.Name")

Me.TextBox3.DataBindings.Add("text", ds, "student.Marks")

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

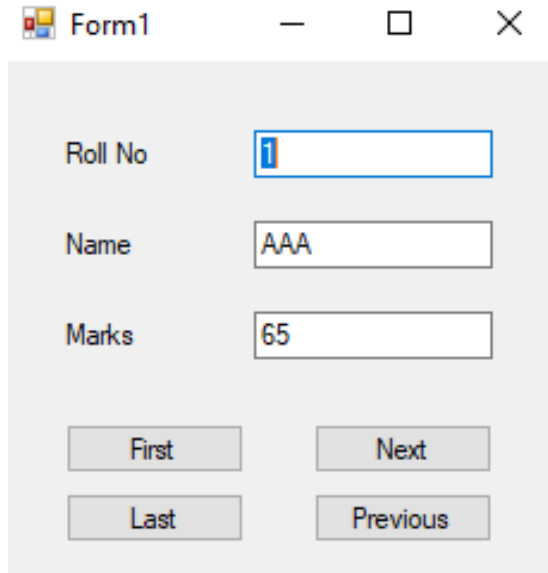
End Sub

```
Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click  
    Me.BindingContext(ds, "student").Position=Me.BindingContext(ds, "student").Count-1
```

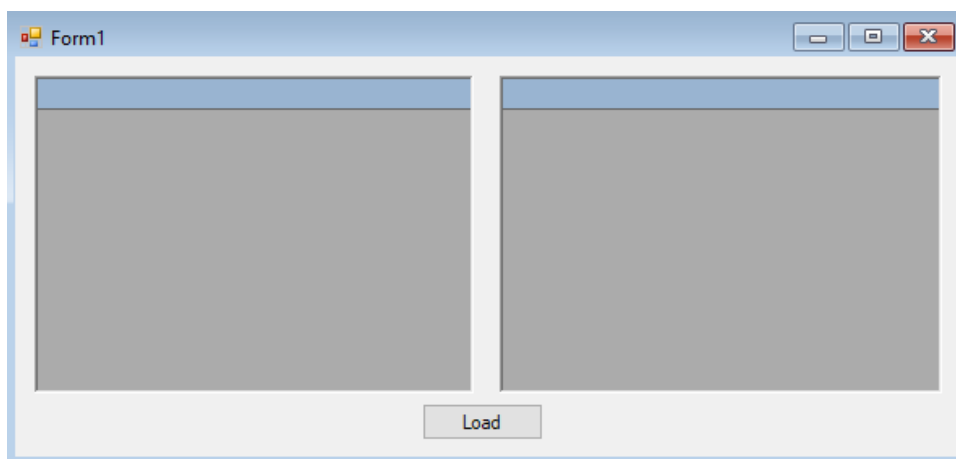
End Sub

End Class

**OUTPUT:**



2. Develop a windows application that will contain multiple tables in a single dataset.



```
Imports System.Data.OleDb
```

```
Public Class Form1
```

```
    Dim con As OleDbConnection
```

```
    Dim ds As New DataSet
```

```
    Dim cmd As OleDbCommand
```

```
    Dim da As OleDbDataAdapter
```

```
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles  
Button1.Click
```

```
        Dim con As New OleDbConnection("Provider=Microsoft.Jet.OLEDB.4.0;Data  
Source=C:\Users\Purva\Documents\Visual Studio 2012\Projects\Multiple  
Table\db1.mdb")  
        con.Open()
```

```
        Dim cmd1 As New OleDbCommand("Select * From student", con)
```

```
Dim cmd2 As New OleDbCommand("Select * From subjects", con)

Dim da1 As New OleDbDataAdapter(cmd1)
Dim da2 As New OleDbDataAdapter(cmd2)

Dim ds As New DataSet

DataGrid1.CaptionText = "Student Record"
DataGrid2.CaptionText = "Subject Details"

da1.Fill(ds, "student")
da2.Fill(ds, "subjects")

DataGrid1.DataSource = ds
DataGrid1.DataMember = "student"

DataGrid2.DataSource = ds
DataGrid2.DataMember = "subjects"

End Sub
End Class
```

**OUTPUT:**

The screenshot shows a Windows application window titled "Form1". It contains two data grids side-by-side. The left grid is titled "Student Record" and has three columns: RollNo, Name, and Marks. It displays four rows of data: (1, AAA, 65), (2, BBB, 85), (3, CCC, 66), and (4, DDD, 77). Below the grid is a row with an asterisk (\*). The right grid is titled "Subject Details" and has two columns: Title and Code. It displays five rows of data: (JPR, 22412), (SEN, 22413), (DCC, 22414), (MIC, 22415), and (GAD, 22034). Below the grid is a row with an asterisk (\*). At the bottom center of the window is a button labeled "Load".

Student Record			
	RollNo	Name	Marks
▶	1	AAA	65
	2	BBB	85
	3	CCC	66
	4	DDD	77
*			

Subject Details		
	Title	Code
▶	JPR	22412
	SEN	22413
	DCC	22414
	MIC	22415
	GAD	22034
*		

Load