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Practical No: 25 & 26

1. **Program to connect to DB at Run time**

**CODE:**

Imports System.Data.OleDb

Public Class Form1

Dim GAD\_MP\_Testing\_Connection\_str As String = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=C:\Users\Gold Roger\Documents\FoodHub\_DB.mdb;"

Dim connection As New OleDbConnection(GAD\_MP\_Testing\_Connection\_str)

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

Try

connection.Open()

MsgBox("Connected successfully!!")

Catch ex As Exception

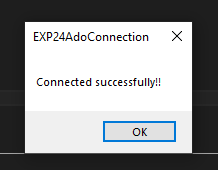
MsgBox("Failed")

End Try

End Sub

End Class

**OUTPUT:**

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1. **Implementing a Runtime DataAdapter**

**CODE:**

Public Class Form1

Dim con As New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\Gold Roger\Documents\FoodHub\_DB.mdb")

Dim com As New OleDb.OleDbCommand("Select \* from FoodHubUsers", con)

Dim da As New OleDb.OleDbDataAdapter(com)

Dim ds As New DataSet

Dim dt As New DataTable

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

con.Open()

da.Fill(dt)

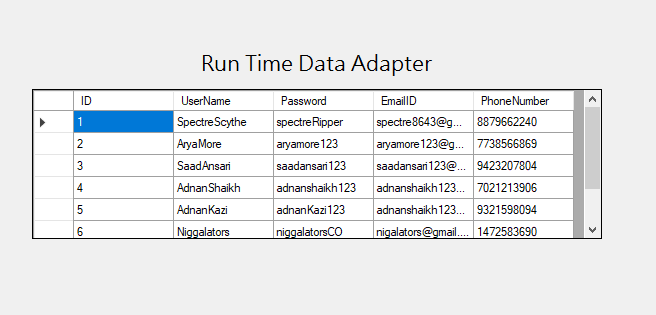
'da.Fill(ds)

DataGridView1.DataSource = dt

End Sub

End Class

**OUTPUT:**

****

1. **Design windows application which have navigation (Next, First, Previous, Last) buttons**

**CODE:**

Imports System.Data.OleDb

Public Class Form1

Dim cmd As OleDbCommand = New OleDbCommand

Dim reader As OleDbDataReader

Dim conn As OleDbConnection = New OleDbConnection

Dim adpt As OleDbDataAdapter = New OleDbDataAdapter

Dim ds As New DataSet

Dim MaxRows, inc As Integer

Dim con As New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\Gold Roger\Documents\FoodHub\_DB.mdb")

Dim com As New OleDb.OleDbCommand("Select \* from FoodHubUsers", con)

Dim dt As New DataTable

Dim da As New OleDb.OleDbDataAdapter(com)

Private Sub Form2\_Load(sender As Object, e As EventArgs) Handles MyBase.Load

conn = New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\Gold Roger\Documents\FoodHub\_DB.mdb")

conn.Open()

da.Fill(dt)

'da.Fill(ds)

DataGridView1.DataSource = dt

cmd = New OleDbCommand("select \* from Table1", conn)

adpt = New OleDbDataAdapter(cmd)

adpt.Fill(ds, "Table1")

reader = cmd.ExecuteReader()

reader.Read()

TextBox1.Text = reader.GetValue(0)

TextBox2.Text = reader.GetValue(1)

TextBox3.Text = reader.GetValue(3)

TextBox4.Text = reader.GetValue(4)

MaxRows = ds.Tables("Table1").Rows.Count

inc = 0

End Sub

Private Sub Button1\_Click(sender As Object, e As EventArgs) Handles Button1.Click ' Move to Next record

If inc <> MaxRows - 1 Then

inc = inc + 1

TextBox1.Text = ds.Tables("Table1").Rows(inc).Item(0)

TextBox2.Text = ds.Tables("Table1").Rows(inc).Item(1)

TextBox3.Text = ds.Tables("Table1").Rows(inc).Item(3)

TextBox4.Text = ds.Tables("Table1").Rows(inc).Item(4) Else

MessageBox.Show("No More Rows")

End If End Sub

' Move to Previous Record

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

If inc > -1 Then

inc = inc - 1

TextBox1.Text = ds.Tables("Table1").Rows(inc).Item(0)

TextBox2.Text = ds.Tables("Table1").Rows(inc).Item(1)

TextBox3.Text = ds.Tables("Table1").Rows(inc).Item(3)

TextBox4.Text = ds.Tables("Table1").Rows(inc).Item(4)

Else

MessageBox.Show("First Record")

End If End Sub

' Move to Last record

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

If inc <> MaxRows - 1 Then

inc = MaxRows - 1

TextBox1.Text = ds.Tables("Table1").Rows(inc).Item(0)

TextBox2.Text = ds.Tables("Table1").Rows(inc).Item(1)

TextBox3.Text = ds.Tables("Table1").Rows(inc).Item(3)

TextBox4.Text = ds.Tables("Table1").Rows(inc).Item(4)

End If End Sub

Private Sub Button3\_Click(sender As Object, e As EventArgs) Handles Button5.Click

' Move to First Record

If inc <> 0 Then

inc = 0

TextBox1.Text = ds.Tables("Table1").Rows(inc).Item(0)

TextBox2.Text = ds.Tables("Table1").Rows(inc).Item(1)

TextBox3.Text = ds.Tables("Table1").Rows(inc).Item(3)

TextBox4.Text = ds.Tables("Table1").Rows(inc).Item(4)

End If

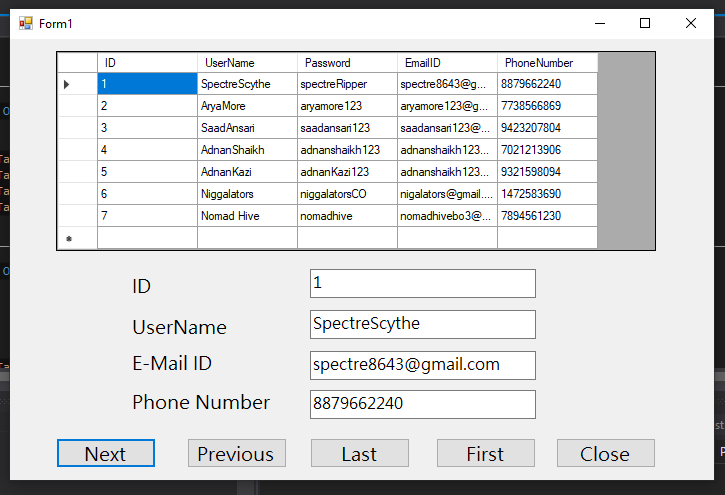
End Sub

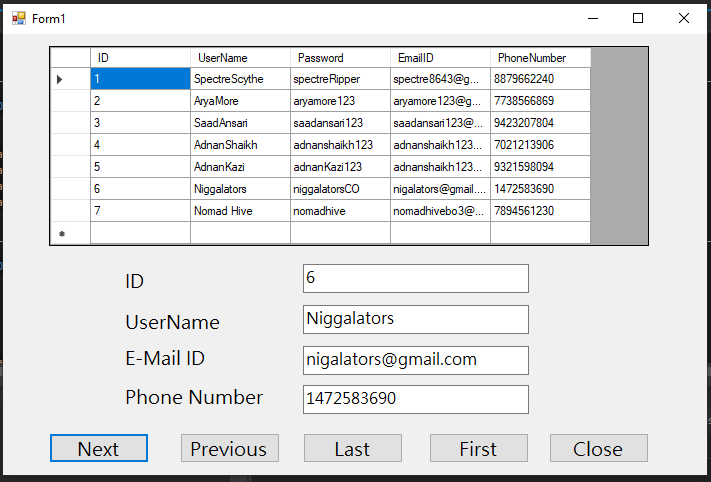
Private Sub Button3\_Click\_1(sender As Object, e As EventArgs) Handles Button3.Click

Me.Close()

End Sub

End Class

**OUTPUT:** ****



1. **Displaying two tables in the same form**

**CODE:**

Public Class Form1

Dim con As New OleDb.OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:\Users\Gold Roger\Documents\FoodHub\_DB.mdb")

Dim com As New OleDb.OleDbCommand("Select \* from FoodHubUsers", con)

Dim da As New OleDb.OleDbDataAdapter(com)

Dim ds As New DataSet

Dim dt As New DataTable

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

End Sub

Private Sub

Button2\_Click(sender As Object, e As EventArgs) Handles Button2.Click

Me.Close()

End Sub

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

con.Open()

da.Fill(dt)

'da.Fill(ds)

DataGridView1.DataSource = dt

DataGridView2.DataSource = dt

End Sub

End Class

**OUTPUT:**

