**Visual Basic.NET Lab**

**Part - C**

**9. Create an application program for a post with the ability to take input from a Candidate name, father’s name, date of birth (by using date picker) Gender (option buttons), qualification (Using list box), address (Using Multiple text box), hobbies (4 check boxes for specified hobbies and a textbox for other).**

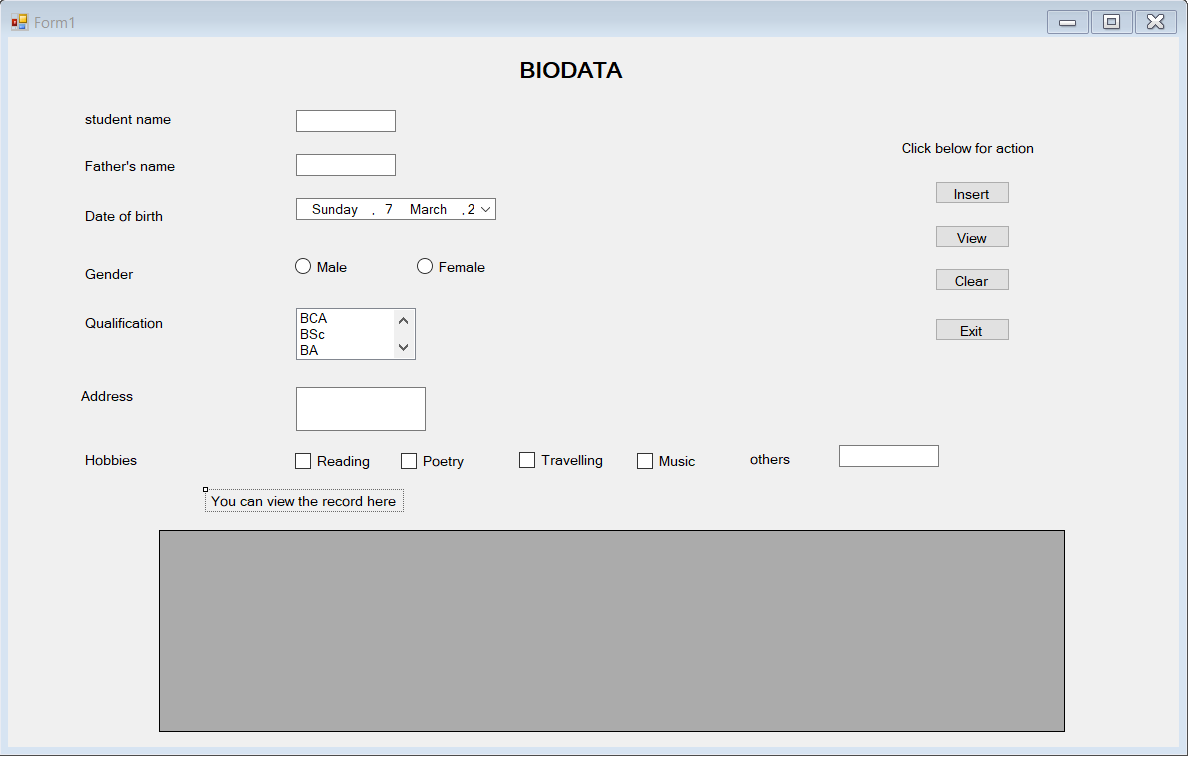
**Use proper validation for**

* **Name of the person can include only alphabets and space (Key\_Press).**
* **Age must be at least 18**
* **All data are mandatory**

**Store the valid information in a table and use DataGrid to view the inserted records.**

**(Marks distribution: Table creation 2, Interface 5, validation code 5, Code for inserting, displaying, etc. 8, Output 5)**

|  |  |  |
| --- | --- | --- |
| **Object** | **Property** | **Description** |
| Label1 | Name | Label1 |
| Text | BIODATA |
| Label2 | Name | Label2 |
| Text | student name |
| Label3 | Name | Label3 |
| Text | Father's name |
| Label4 | Name | Label4 |
| Text | Date of birth |
| Label5 | Name | Label5 |
| Text | Gender |
| Label6 | Name | Label6 |
| Text | Qualification |
| Label7 | Name | Label7 |
| Text | Address |
| Label8 | Name | Label8 |
| Text | Hobbies |
| Label9 | Name | Label9 |
| Text | You can view the record here |
| Label10 | Name | Label0 |
| Text | Click below for action |
| TextBox1 | Name | TextBox1 |
| Text | Null |
| TextBox2 | Name | TextBox2 |
| Text | Null |
| TextBox3 | Name | TextBox3 |
| Text | Null |
| Multiline | True |
| TextBox4 | Name | TextBox4 |
| Text | Null |
| DateTimePicker1 | Name | DateTimePicker1 |
| RadioButton1 | Name | RadioButton1 |
| Text | Male |
| RadioButton2 | Name | RadioButton2 |
| Text | Female |
| ListBox1 | Name | ListBox1 |
| Text | Null |
| CheckBox1 | Name | CheckBox1 |
| Text | Reading |
| CheckBox2 | Name | CheckBox2 |
| Text | Poetry |
| CheckBox3 | Name | CheckBox3 |
| Text | Travelling |
| CheckBox4 | Name | CheckBox4 |
| Text | Music |
| Label9 | Name | Label9 |
| Text | Others |
| Button1 | Name | Btninsert |
| Text | Insert |
| Button2 | Name | Btnview |
| Text | View |
| Button3 | Name | Btnclear |
| Text | Clear |
| Button4 | Name | Btnexit |
| Text | Exit |
| DataGridView1 | Name | DataGridView1 |

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**Code:**

Imports System.Data.SqlClient

Module module1

Public con As New SqlConnection

Public cmd As New SqlCommand

Public Sub connect()

con.ConnectionString = "Data Source=DESKTOP-AVOSAQF\SQLEXPRESS;Initial Catalog=student;Integrated Security=True;Pooling=False"

con.Open()

cmd.Connection = con

End Sub

End Module

Public Class Form1

Dim cmdstr As String

Dim adp As SqlDataAdapter

Dim ds As DataSet

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

End

End Sub

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

Dim gender, quali As String

Dim hobby As New List(Of String)

Dim dob As Date

Dim checks = {CheckBox1, CheckBox2, CheckBox3, CheckBox4}

dob = DateTimePicker1.Value.ToLongDateString

If RadioButton1.Checked = True Then

gender = "male"

ElseIf RadioButton2.Checked = True Then

gender = "female"

Else

MsgBox("Please choose the gender")

End If

For Each box In checks

If box.Checked Then

hobby.Add(box.Text)

End If

Next

Dim hobbystr = String.Join(",", hobby.ToArray)

If TextBox4.Text <> "" Then

hobbystr = hobbystr + "," + TextBox4.Text

End If

quali = ListBox1.SelectedItem

If quali = "" Then

MsgBox("Please select your qualification")

ElseIf TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Or hobbystr = "" Or quali = "" Then

MsgBox("Please enter the empty fields")

ElseIf ((DateTime.Now.Subtract(DateTimePicker1.Value).Days) / (365) < 18) Then

MsgBox("Less than 18 Years are not allowed")

Else

connect()

cmd.CommandText = "insert into Table1(sname,fname,dob,gender,qualifiation,address,hobbies) values('" & TextBox1.Text & "','" & TextBox2.Text & "','" & dob & "','" & gender & "','" & quali & "','" & TextBox3.Text & "','" & hobbystr & "')"

cmd.ExecuteNonQuery()

MsgBox("Record inserted")

con.Close()

End If

End Sub

Private Sub TextBox1\_KeyPress(ByVal sender As System.Object, ByVal e As System.Windows.Forms.KeyPressEventArgs) Handles TextBox1.KeyPress, TextBox2.KeyPress

If (Not Char.IsLetter(e.KeyChar) AndAlso e.KeyChar <> " "c) Then e.Handled = True

End Sub

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

connect()

cmdstr = "select \* from Table1"

cmd = New SqlCommand(cmdstr, con)

adp = New SqlDataAdapter(cmd)

ds = New DataSet()

adp.Fill(ds, "student")

DataGridView1.DataMember = "student"

DataGridView1.DataSource = ds

con.Close()

End Sub

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

TextBox1.Text = ""

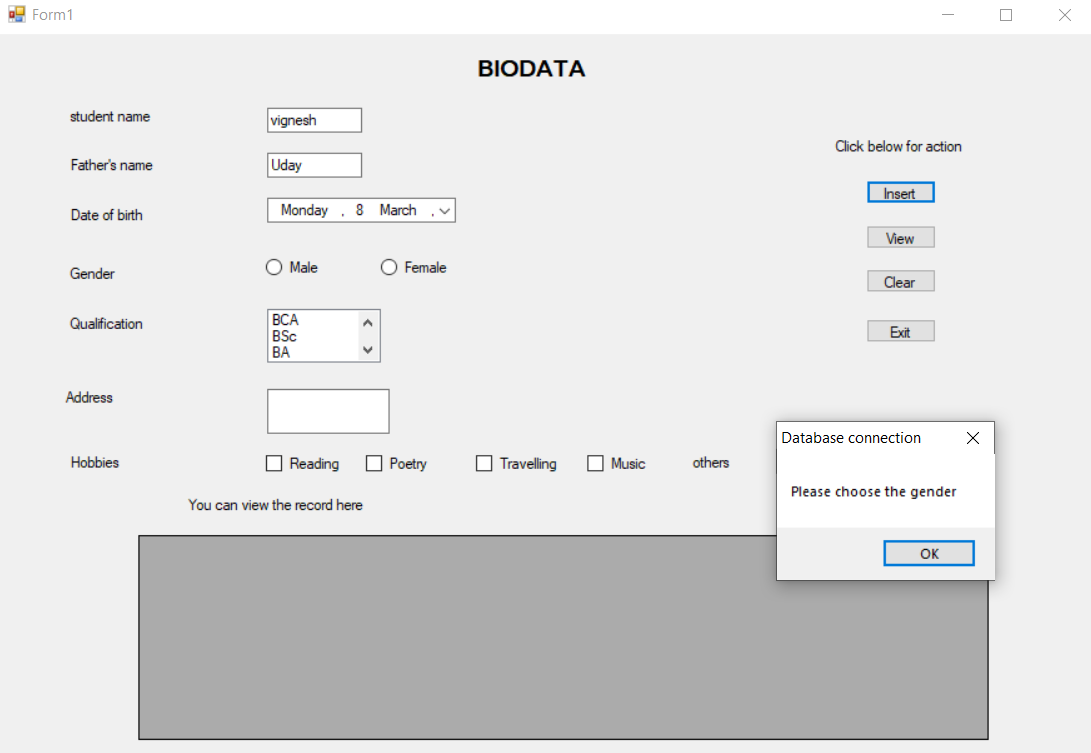
TextBox2.Text = ""

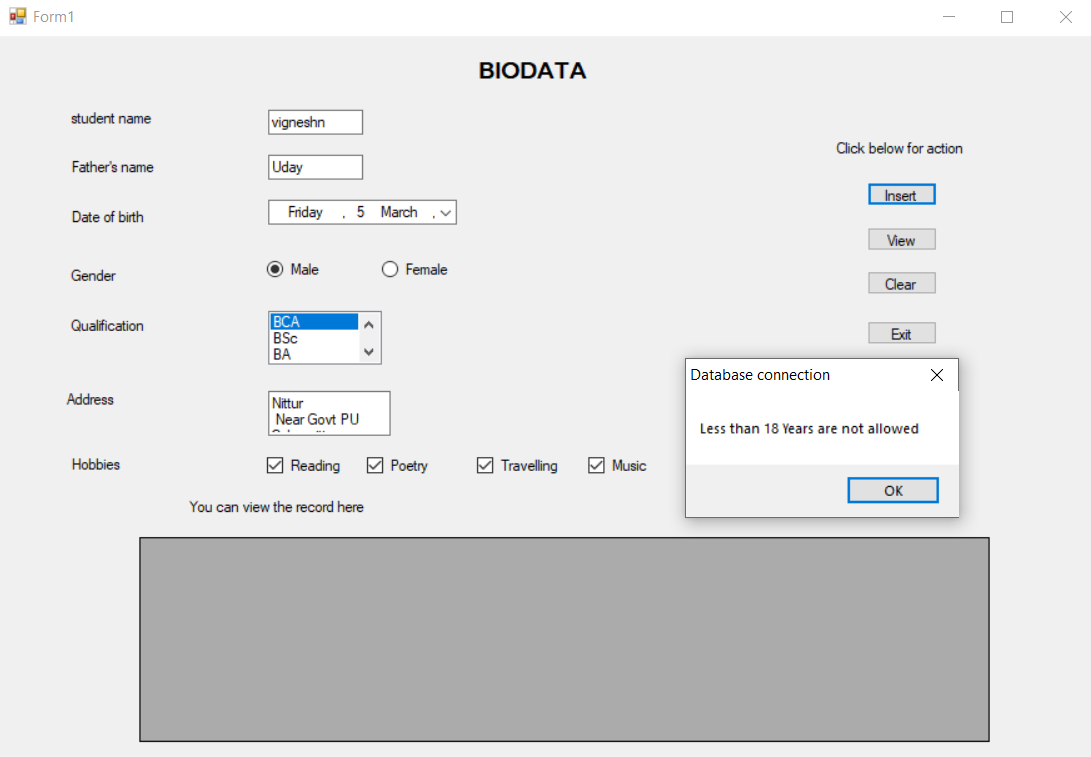
TextBox3.Text = ""

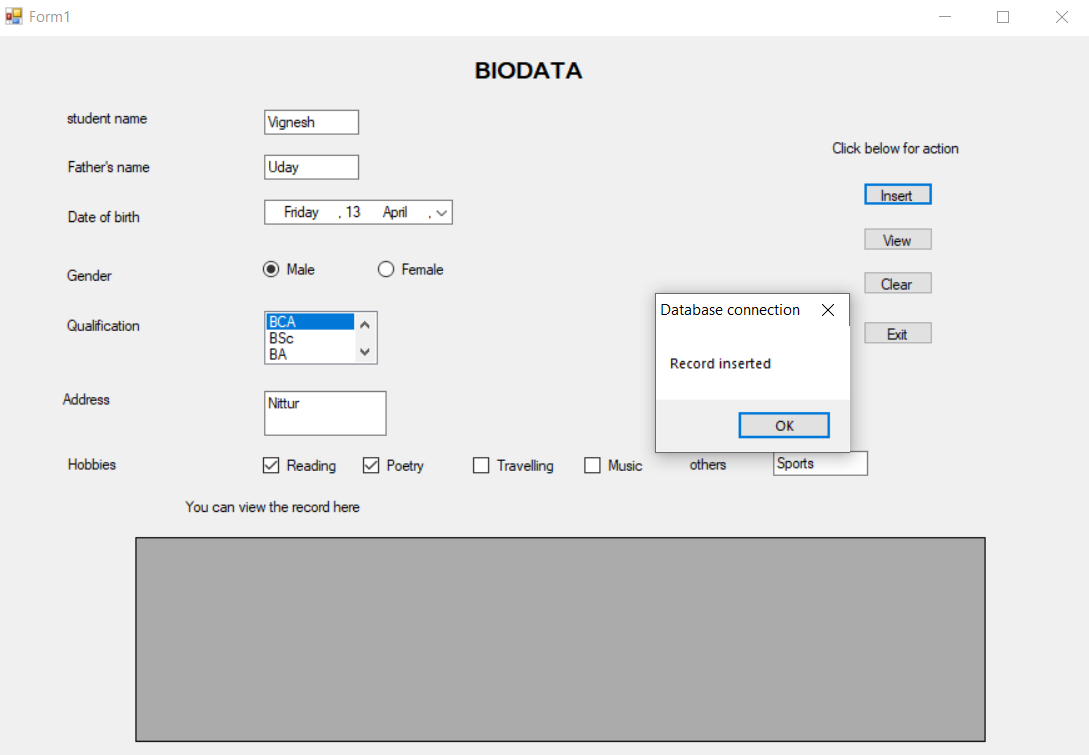
TextBox4.Text = ""

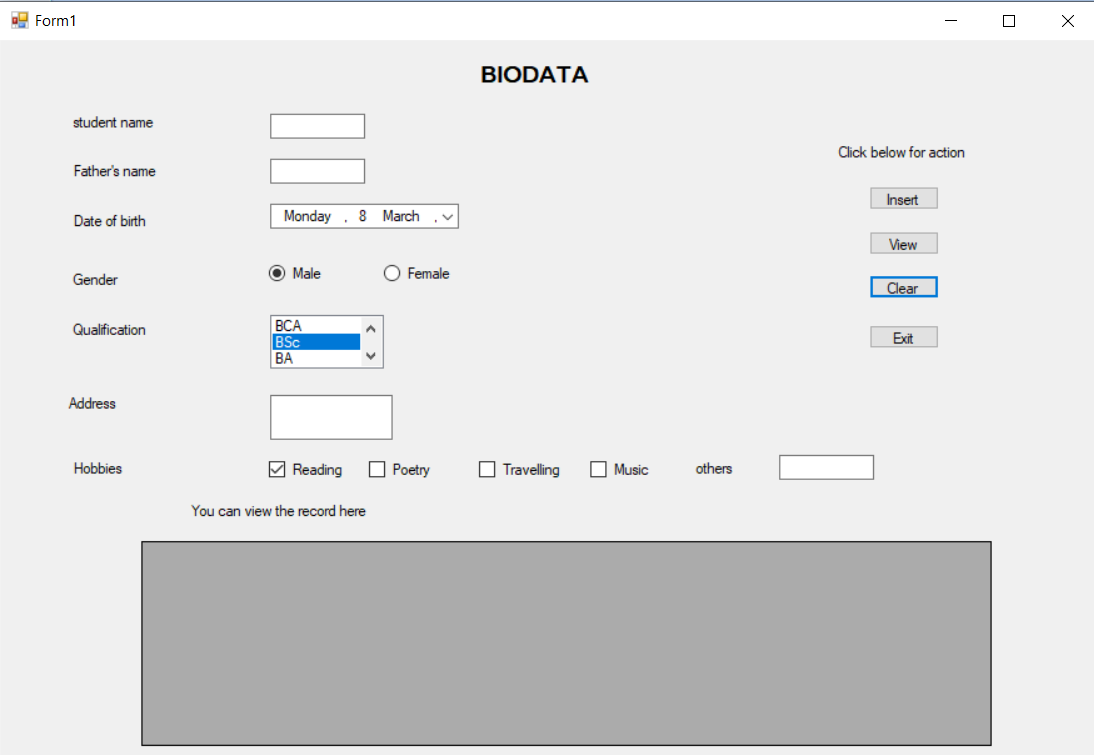
End Sub

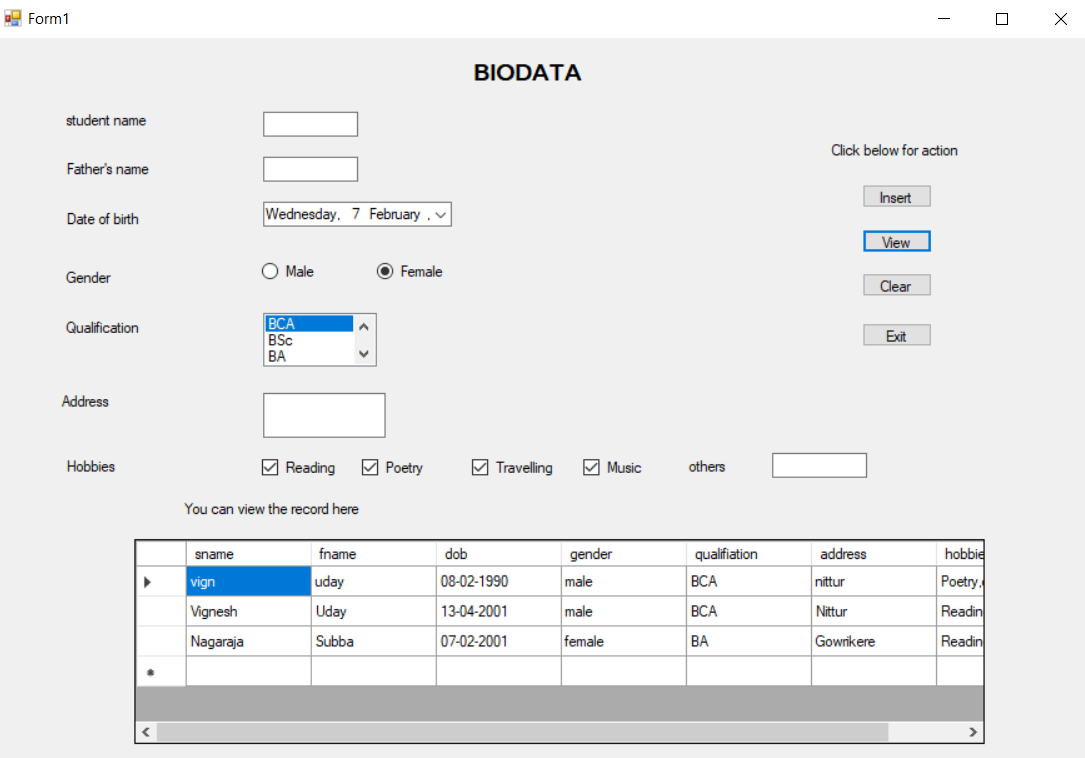
End Class

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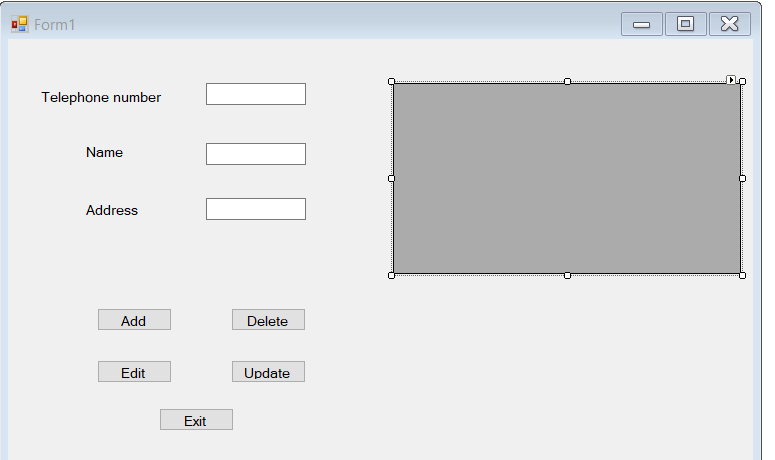
**10. Create a table TELEPHONE containing Telephone no, name and address of a customer as the fields. Set up a VB interface with command buttons to add, edit, delete, save.**

**Apply validation rule**

1. **Telephone number to check for only +ve numeral.**
2. **All the data are mandatory.**
3. **Record should not be duplicated.**
4. **When editing, Telephone number should be locked so that only name and address can be edited.**
5. **While editing or deleting, if the accepted Telephone no is not exist give proper message.**

**(Marks distribution: Table creation 2, Interface 4, validation code 5, Code for inserting, editing, removing, displaying, etc. 9, Output 5)**

|  |  |  |
| --- | --- | --- |
| **Object** | **Property** | **Description** |
| Label1 | Name | Label1 |
| Text | Telephone number |
| Label2 | Name | Label2 |
| Text | Name |
| Label3 | Name | Label3 |
| Text | Address |
| TextBox1 | Name | TextBox1 |
| Text | Null |
| TextBox2 | Name | TextBox2 |
| Text | Null |
| TextBox3 | Name | TextBox13 |
| Text | Null |
| Button1 | Name | btnadd |
| Text | Add |
| Button2 | Name | btndelete |
| Text | Delete |
| Button3 | Name | btnedit |
| Text | Edit |
| Button4 | Name | btnupdate |
| Text | Update |
| Button5 | Name | btnexit |
| Text | Exit |
| DataGridView1 | Name | DataGridView1 |

****

**Code:**

Imports System.Data.SqlClient

Module module1

Public con As New SqlConnection

Public cmd As New SqlCommand

Public Sub connect()

con.ConnectionString = "Data Source=DESKTOP-AVOSAQF\SQLEXPRESS;Initial Catalog=part\_c\_telephone;Integrated Security=True;Pooling=False"

con.Open()

cmd.Connection = con

End Sub

End Module

Public Class Form1

Dim adp As New SqlDataAdapter

Dim ds As New DataSet

Dim result As Object

Dim dr As SqlDataReader

Dim cmdstr As String

Public Sub exist()

connect()

cmd.CommandText = "select \* from telephone where telno= '" & TextBox1.Text & "'"

result = cmd.ExecuteScalar()

con.Close()

End Sub

Public Sub disp()

connect()

cmdstr = "select \* from telephone"

cmd = New SqlCommand(cmdstr, con)

adp = New SqlDataAdapter(cmd)

ds = New DataSet()

adp.Fill(ds, "telephone")

DataGridView1.DataMember = "telephone"

DataGridView1.DataSource = ds

con.Close()

End Sub

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

End

End Sub

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

connect()

If TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Then

MsgBox("Enter the empty fields")

ElseIf Val(TextBox1.Text) < 0 Then

MsgBox("Negative number not allowed")

Else

cmd.CommandText = "insert into telephone(telno,cname,address)values ('" & TextBox1.Text & "','" & TextBox2.Text & "','" & TextBox3.Text & "')"

cmd.ExecuteNonQuery()

MsgBox("Record inserted")

End If

con.Close()

disp()

End Sub

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

Dim tel As Integer = InputBox("Enter the telephone no to be deleted" & tel)

TextBox1.Text = tel

exist()

If result Is Nothing Then

MsgBox("Record does not exists")

Else

connect()

cmd.CommandText = "delete from telephone where telno = '" & TextBox1.Text & "'"

cmd.ExecuteNonQuery()

MsgBox("Record deleted")

con.Close()

disp()

End If

End Sub

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

Dim tel As Integer = InputBox("Enter the telephone no to be edited" & tel)

TextBox1.Text = tel

exist()

If result Is Nothing Then

MsgBox("Record does not exists")

Else

TextBox1.Text = tel

TextBox1.ReadOnly = True

connect()

cmd.CommandText = "select \* from telephone where telno ='" & TextBox1.Text & "'"

dr = cmd.ExecuteReader

If (dr.HasRows) Then

dr.Read()

TextBox2.Text = dr.Item("cname")

TextBox3.Text = dr.Item("address")

dr.Close()

End If

End If

con.Close()

btnupdate.Enabled = True

End Sub

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

connect()

cmd.CommandText = "update telephone set cname='" & TextBox2.Text & "', address ='" & TextBox3.Text & "' where telno= '" & TextBox1.Text & "'"

cmd.ExecuteNonQuery()

MsgBox("Record updated")

con.Close()

disp()

btnupdate.Enabled = False

End Sub

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

disp()

btnupdate.Enabled = False

End Sub

Private Sub TextBox1\_Leave(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles TextBox1.Leave

exist()

If TextBox1.Text <> "" Then

If result Is Nothing Then

MsgBox("This telephone number is not present in the database....you can insert")

Else

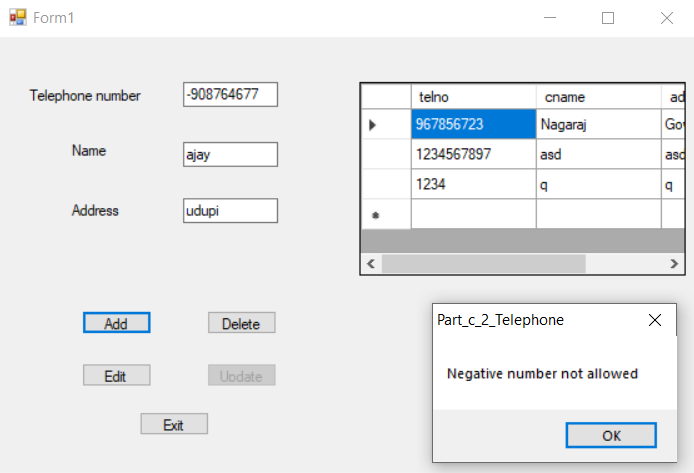
MsgBox("Record exists...Duplicate record not allowed...")

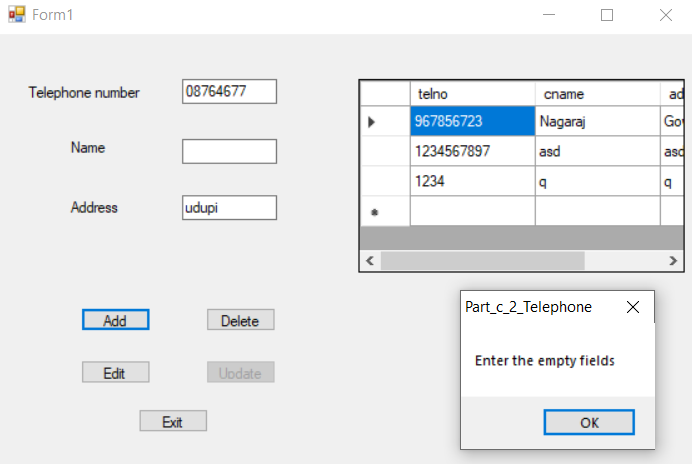
End If

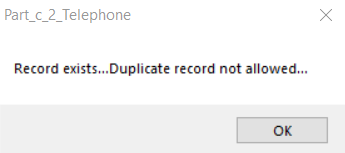
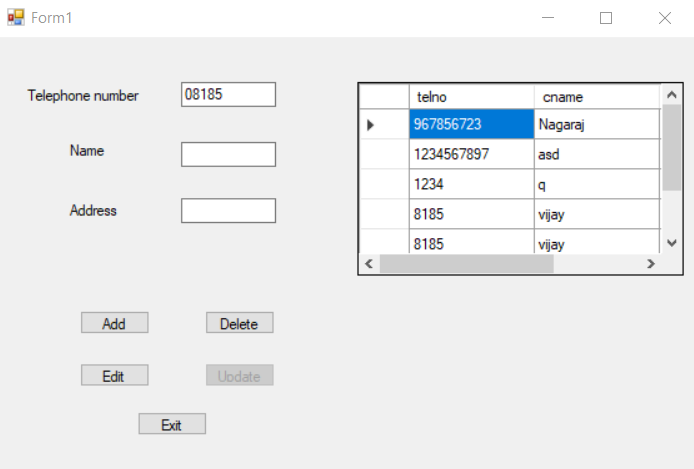
End If

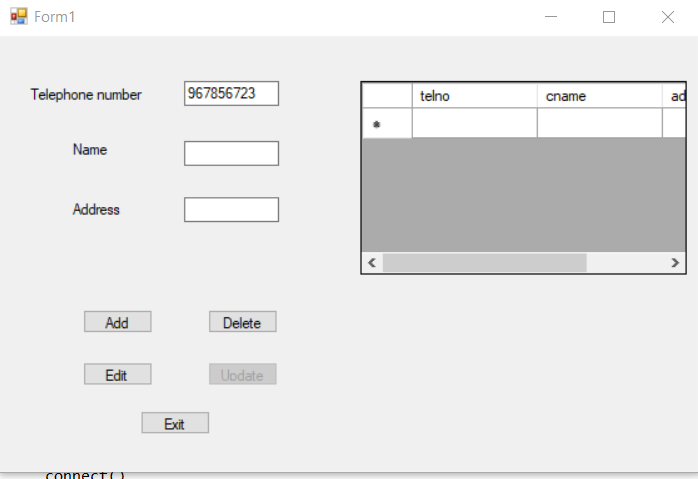
End Sub

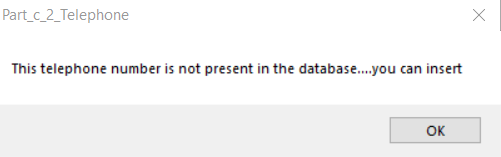
End Class

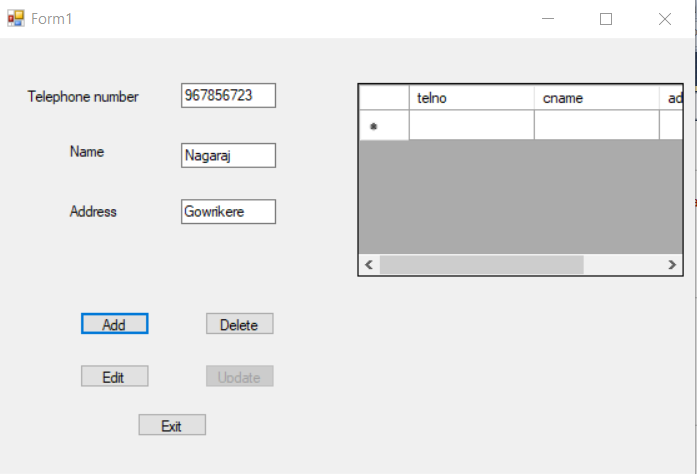
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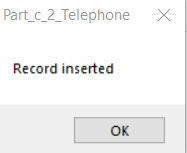
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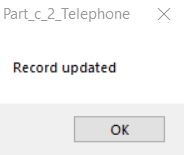
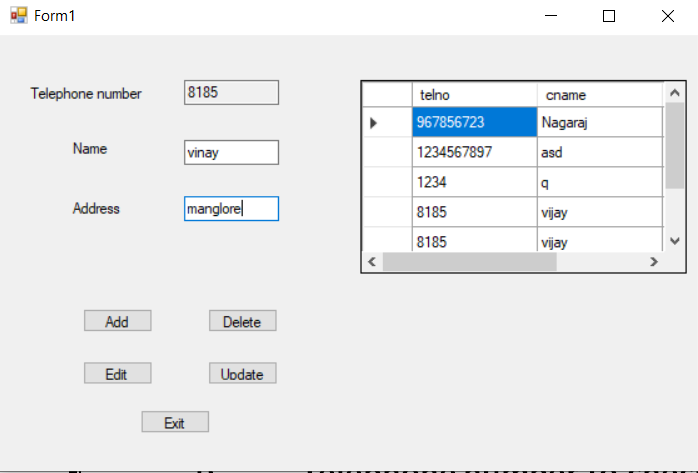
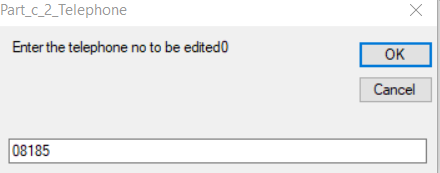
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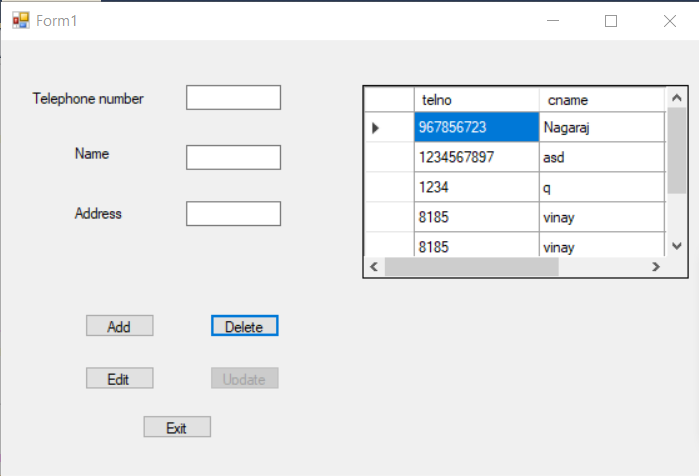
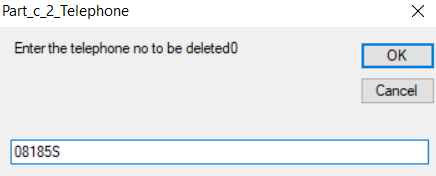
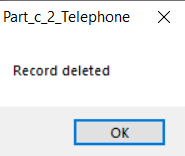
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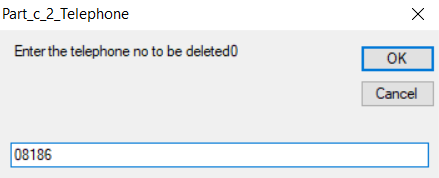
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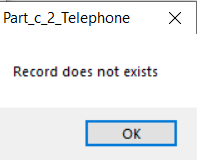
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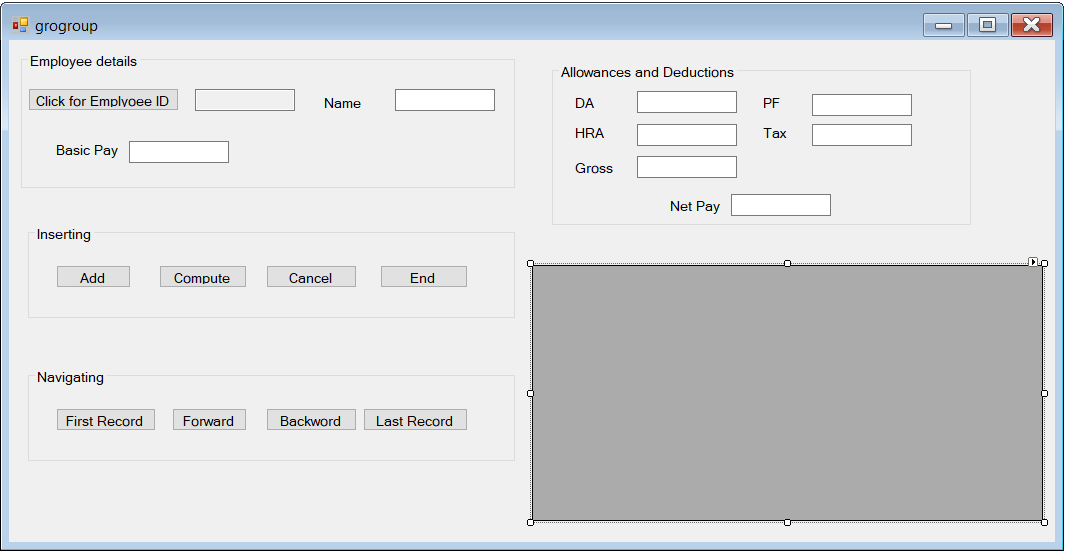
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**11. Create a table EMP with Empcode, Name, Basic pay, DA, HRA, PF, Gross, Tax and Netpay. Set up a data entry form to input Empcode, name and salary. Other allowances should be calculated and to be shown on the form which cannot be modifiable. Use the command button for adding, saving, computing and various navigation (first, next, previous, last). While adding, new record Empcode should be incremented automatically by 1 from last record.**

1. **All data are necessary while saving.**
2. **Basic pay should be +ve integer.**
3. **While navigating, if the control goes beyond beginning or end of the file, display error message.**
4. **DA is 40% of Basic pay if Basic pay > 20000, otherwise 30% of Basic pay.**
5. **HRA is 10% of Basic pay.**
6. **PF is minimum of 12% of Gross or Rs.780.**
7. **Professional Tax is 10% of Gross.**
8. **Net pay = Gross – (PF + PT)**

**(Marks distribution: Table creation 2, Interface 4, validation code 5, Code for inserting, displaying, etc. 10, Output 4)**

|  |  |  |
| --- | --- | --- |
| **Object** | **Property** | **Description** |
| GroupBox1 | Name | GroupBox1 |
| Text | Employee details |
| GroupBox2 | Name | GroupBox2 |
| Text | Inserting |
| GroupBox3 | Name | GroupBox3 |
| Text | Navigating |
| GroupBox4 | Name | GroupBox4 |
| Text | Allowances and Deductions |
| Label1 | Name | Label1 |
| Text | Name |
| Label2 | Name | Label2 |
| Text | Basic Pay |
| Label3 | Name | Label3 |
| Text | DA |
| Label4 | Name | Label4 |
| Text | HRA |
| Label5 | Name | Label5 |
| Text | Gross |
| Label6 | Name | Label6 |
| Text | PF |
| Label7 | Name | Label7 |
| Text | Tax |
| Label8 | Name | Label8 |
| Text | Net Pay |
| TextBox1 | Name | txtid |
| Text | Null |
| TextBox2 | Name | txtname |
| Text | Null |
| TextBox3 | Name | txtbasicpay |
| Text | Null |
| TextBox4 | Name | txtda |
| Text | Null |
| TextBox5 | Name | txthra |
| Text | Null |
| TextBox6 | Name | txtgross |
| Text | Null |
| TextBox7 | Name | txtpf |
| Text | Null |
| TextBox8 | Name | txttax |
| Text | Null |
| TextBox9 | Name | txtnetpay |
| Text | Null |
| Button1 | Name | btnauto |
| Text | Click for Emplyoee ID |
| Button2 | Name | btnadd |
| Text | Add |
| Button3 | Name | btncompute |
| Text | Compute |
| Button4 | Name | btncancel |
| Text | Cancel |
| Button5 | Name | btnend |
| Text | End |
| Button6 | Name | btnfirst |
| Text | First Record |
| Button7 | Name | btnfor |
| Text | Forward |
| Button8 | Name | btnback |
| Text | Backword |
| Button9 | Name | btnlast |
| Text | Last Record |
| DataGridView1 | Name | DataGridView1 |

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**Code:**

Imports System.Data.SqlClient

Module module1

Public con As New SqlConnection

Public cmd As New SqlCommand

Public Sub connect()

con.ConnectionString = "Data Source=DESKTOP-AVOSAQF\SQLEXPRESS;Initial Catalog=Part\_C\_3\_Emp;Integrated Security=True;Pooling=False"

con.Open()

cmd.Connection = con

End Sub

End Module

Public Class Form1

Dim adp As SqlDataAdapter

Dim ds As DataSet

Public Sub autogenerate()

connect()

Dim num As Integer

cmd.CommandText = "select max(empcode) from emp"

If IsDBNull(cmd.ExecuteScalar) Then

num = 1001

Else

num = cmd.ExecuteScalar + 1

End If

txtid.Text = num

con.Close()

End Sub

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

End

End Sub

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

GroupBox4.Visible = False

btnadd.Enabled = False

End Sub

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

connect()

cmd.CommandText = "insert into emp(empcode,empname,basicpay,da,hra,pf,gross,tax,neypay)values ('" & txtid.Text & "','" & txtname.Text & "','" & txtbasicpay.Text & "','" & txtda.Text & "','" & txthra.Text & "','" & txtpf.Text & "','" & txtgross.Text & "','" & txttax.Text & "','" & txtnetpay.Text & "')"

cmd.ExecuteNonQuery()

MsgBox("Record inserted")

con.Close()

connect()

cmd.CommandText = "select \* from emp"

adp = New SqlDataAdapter(cmd)

ds = New DataSet

adp.Fill(ds, "emp")

DataGridView1.DataMember = "emp"

DataGridView1.DataSource = ds

End Sub

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

Dim basicpay, da, hra, pf, gross, tax, netpay As Decimal

If txtname.Text = "" Or txtbasicpay.Text = "" Or txtid.Text = "" Then

MsgBox("Enter all the fields")

Exit Sub

End If

basicpay = Val(txtbasicpay.Text)

If basicpay < 0 Then

MsgBox("Basic pay should be positive number")

Exit Sub

End If

If basicpay > 20000 Then

da = basicpay \* 0.4

Else

da = basicpay \* 0.3

End If

hra = basicpay \* 0.1

gross = basicpay + da + hra

pf = gross \* 0.12

If pf > 780 Then

pf = 780

End If

tax = gross \* 0.1

netpay = gross - (pf + tax)

GroupBox4.Visible = True

txtda.Text = da

txthra.Text = hra

txtgross.Text = gross

txtpf.Text = pf

txttax.Text = tax

txtnetpay.Text = netpay

For Each tb As TextBox In GroupBox3.Controls.OfType(Of TextBox)()

tb.ReadOnly = True

Next

btnadd.Enabled = True

End Sub

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

autogenerate()

End Sub

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

BindingContext(ds, "emp").Position = 0

End Sub

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

BindingContext(ds, "emp").Position = BindingContext(ds, "emp").Count - 1

End Sub

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

If BindingContext(ds, "emp").Position = BindingContext(ds, "emp").Count - 1 Then

MsgBox("You are already in last record. Can't move further")

Else

BindingContext(ds, "emp").Position = BindingContext(ds, "emp").Position + 1

End If

End Sub

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

If BindingContext(ds, "emp").Position = 0 Then

MsgBox("You are already in first record")

Else

BindingContext(ds, "emp").Position = BindingContext(ds, "emp").Position - 1

End If

End Sub

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

txtname.Text = ""

txtbasicpay.Text = ""

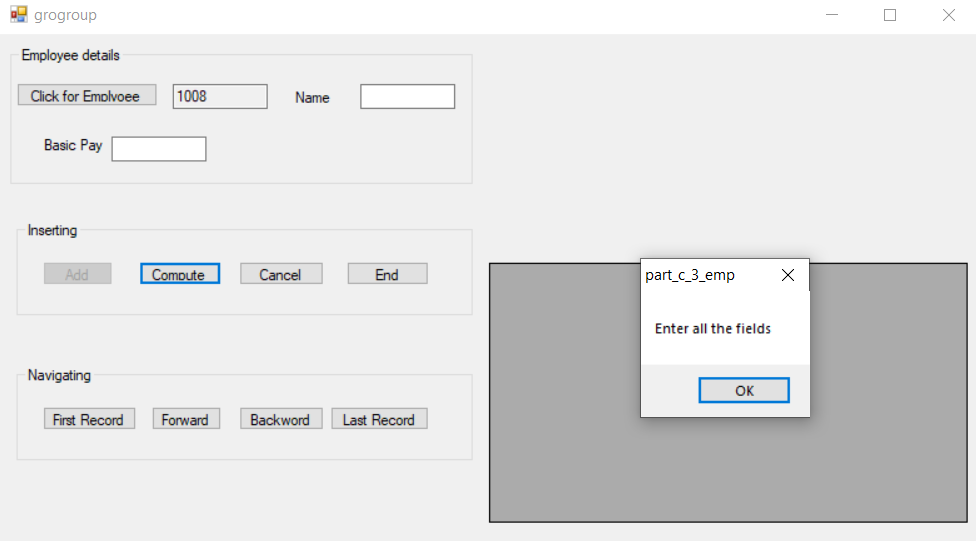
txtid.Text = ""

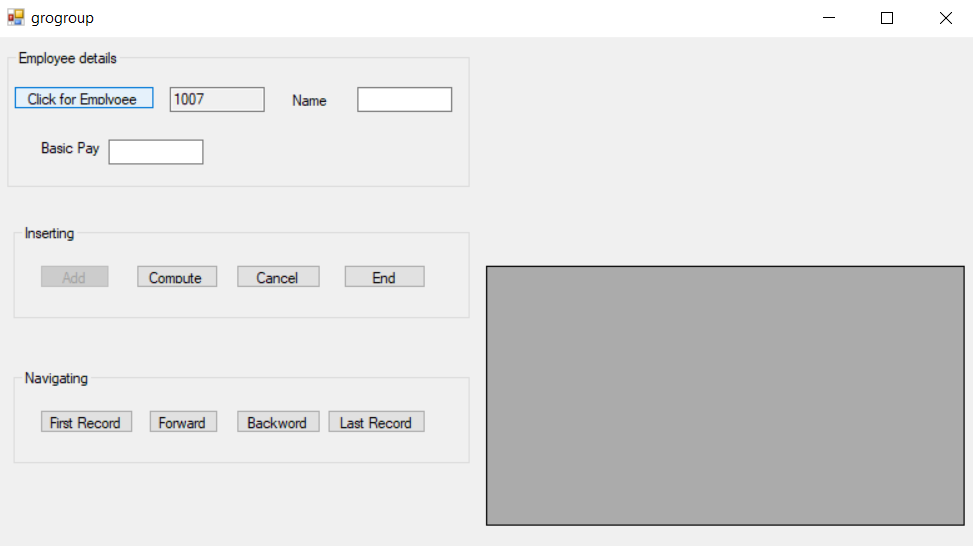
GroupBox4.Visible = False

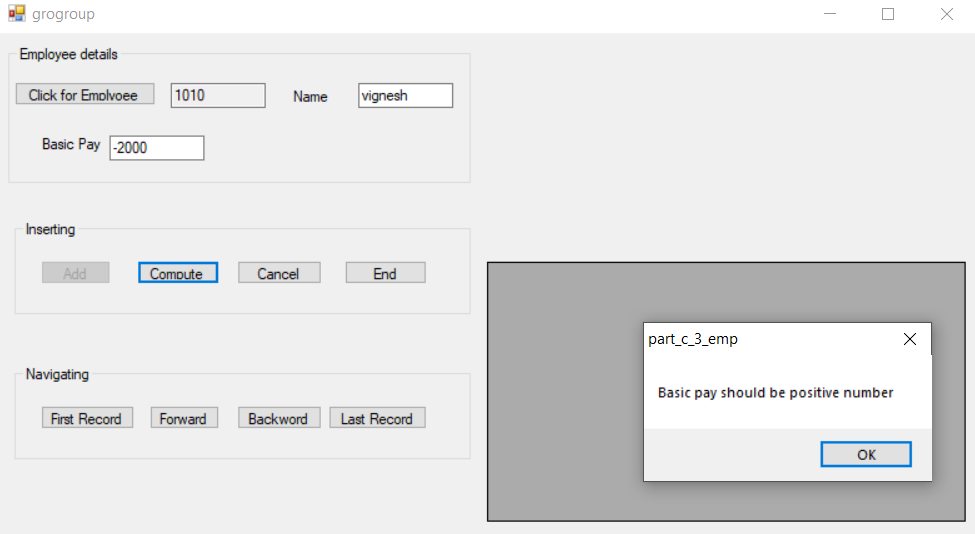
btnadd.Enabled = False

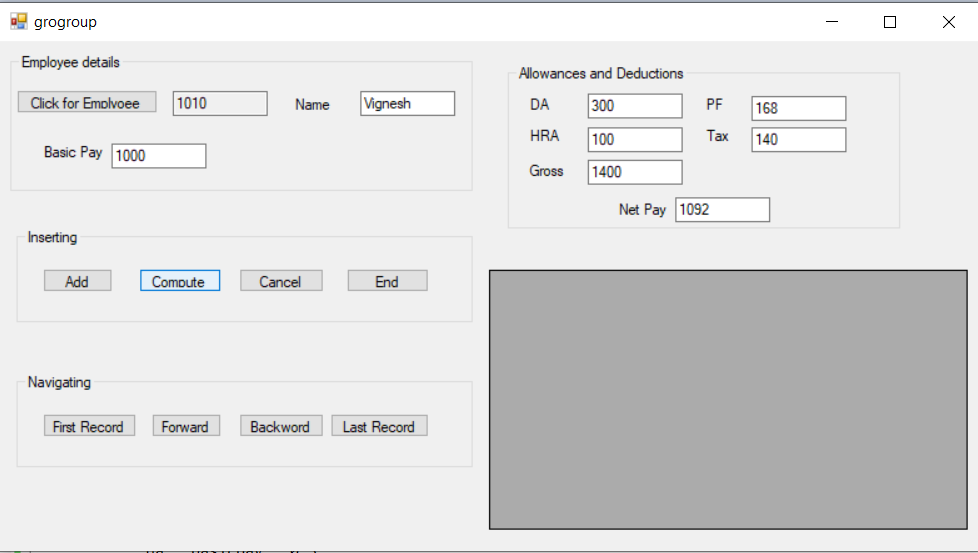
End Sub

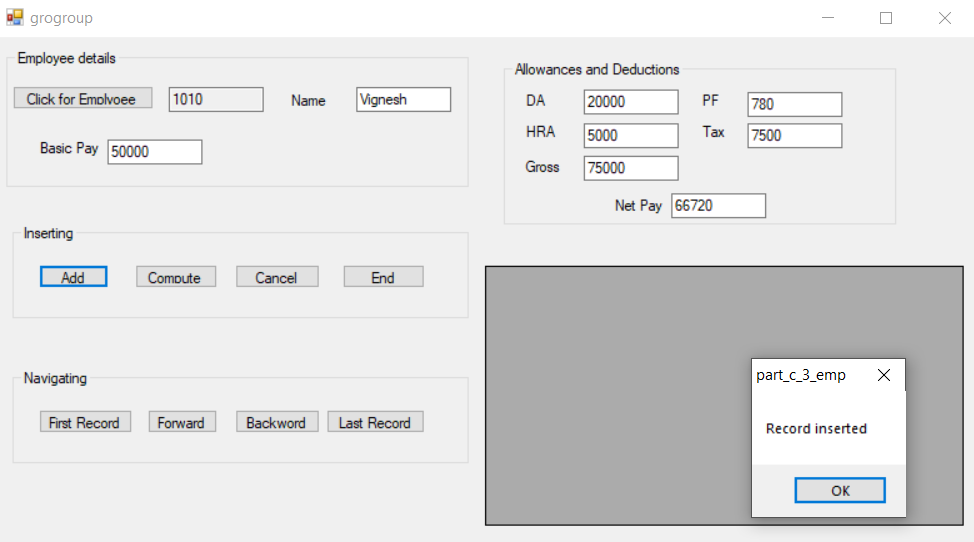
End Class

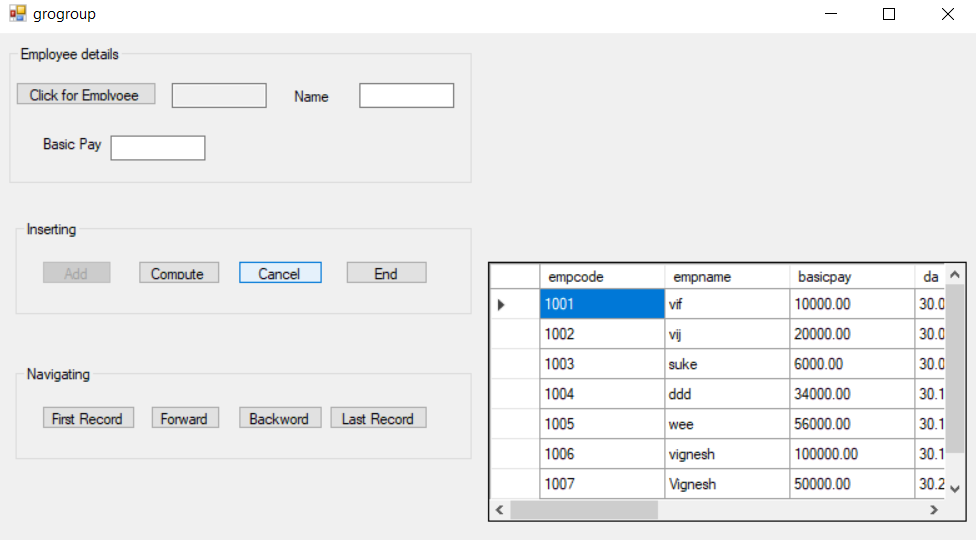


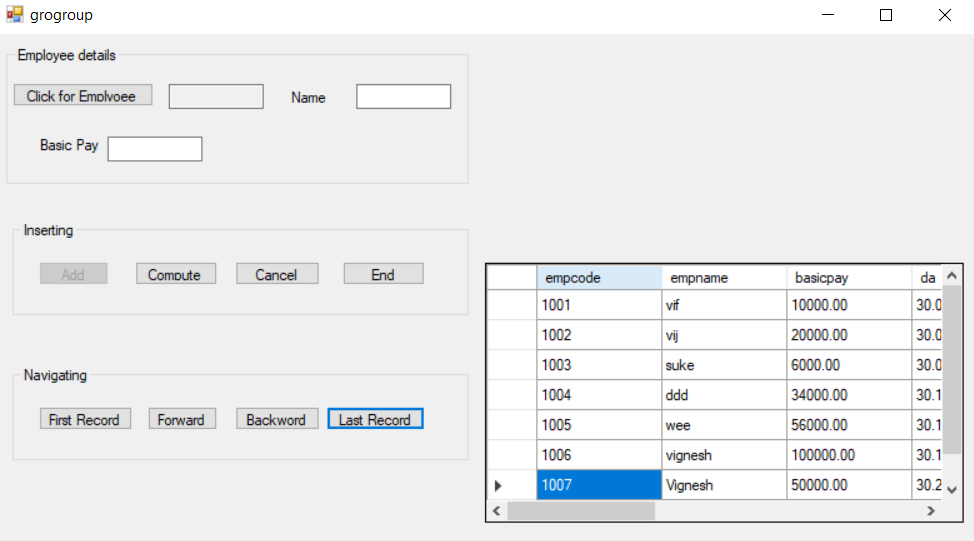


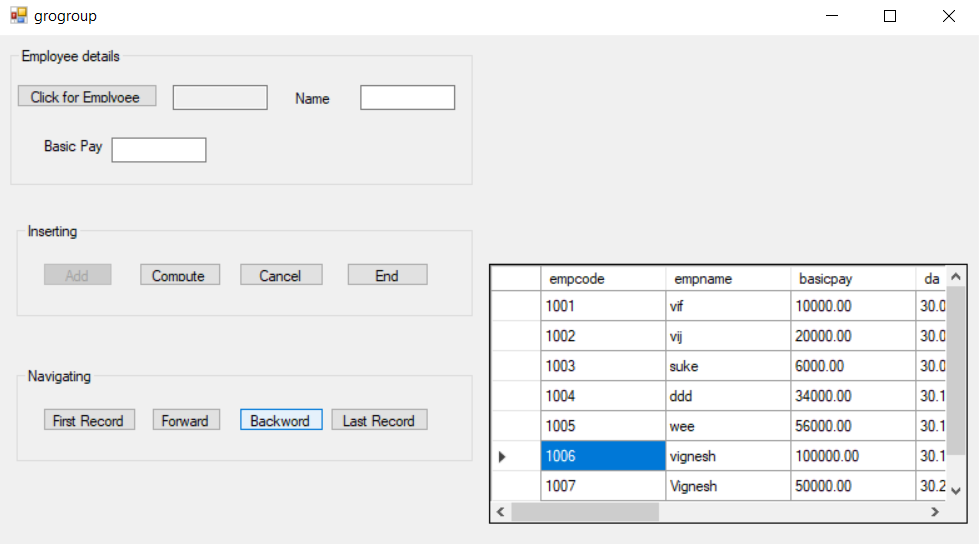


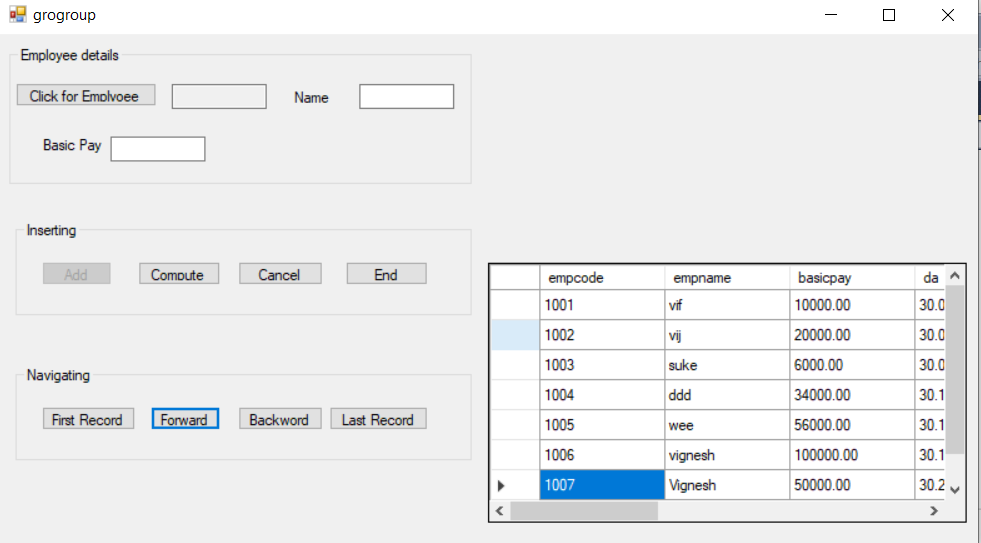


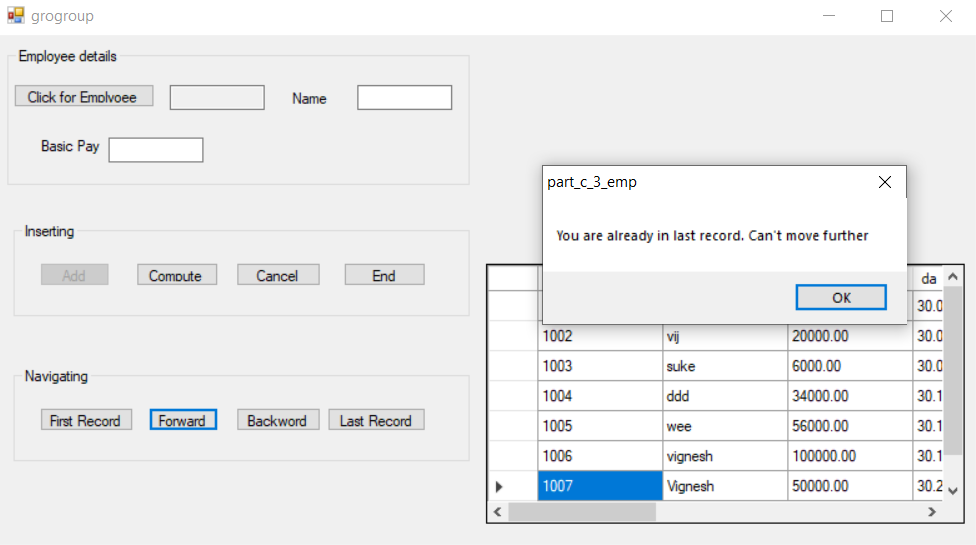
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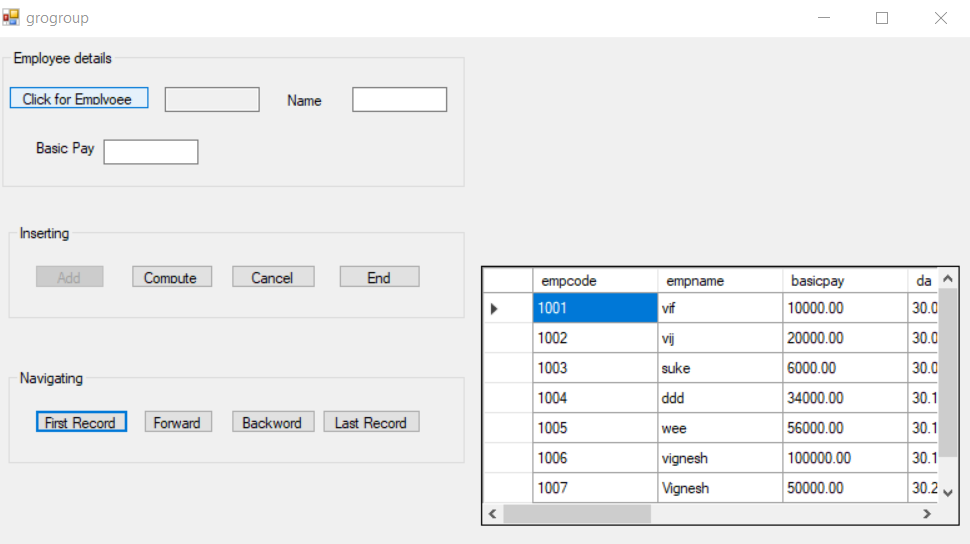
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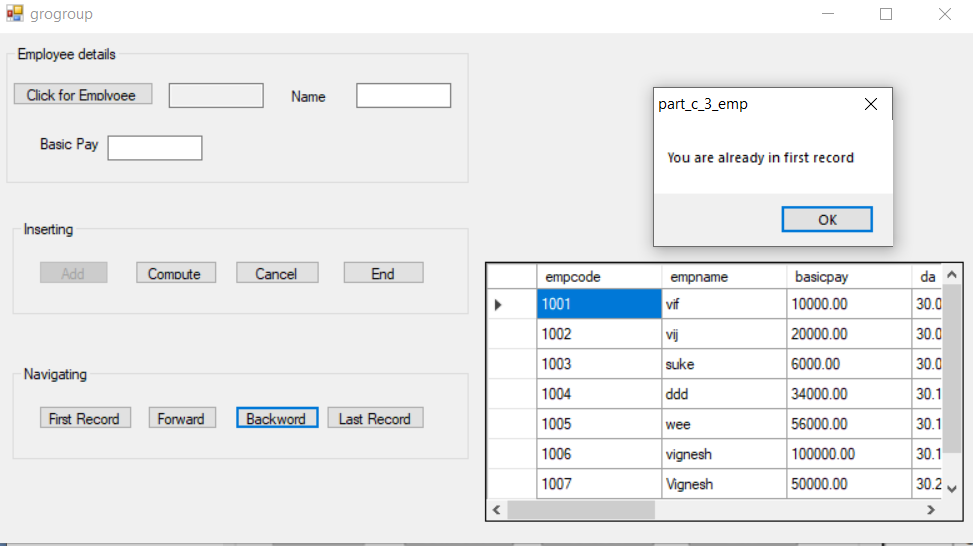
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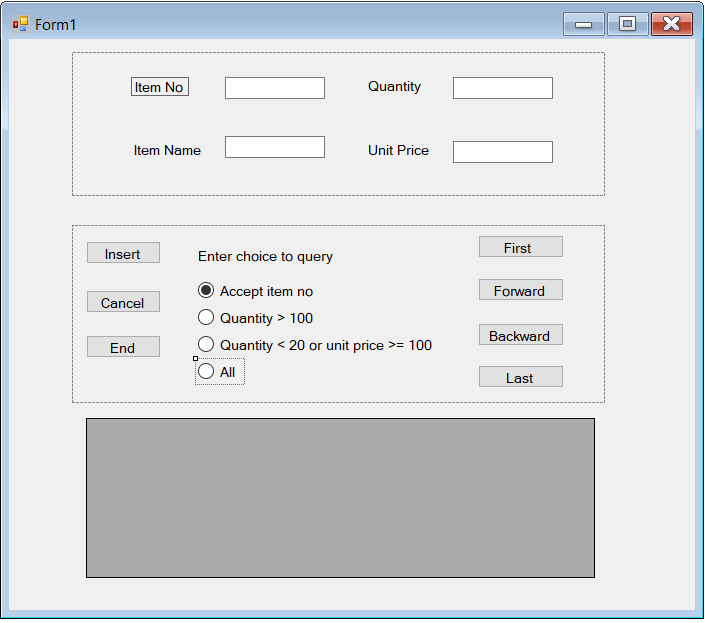
**12. Create a table item contains Item no, name, quantity in stock and unit price. Design a VB interface to enter he records and save to the table. Apply the validation rule for quantity and price for +ve numbers and non-zero. Use the command buttons to navigate (first, next, prev, last) through the records depending on search criteria.**

**Searching can be**

1. **By accepting item no.**
2. **Only the items with quantities>100**
3. **Items either quantity less than 20 or unit price>=100**
4. **To view all. While viewing it, should not be editable.**

**(Marks distribution: Table creation 2, Interface 5, validation code 3, Code for inserting, displaying, etc. 10, Output 5)**

|  |  |  |
| --- | --- | --- |
| **Object** | **Property** | **Description** |
| Panel2 | Name | Panel2 |
| Panel2 | Name | Panel2 |
| GroupBox3 | Name | GroupBox3 |
| Text | Navigating |
| GroupBox4 | Name | GroupBox4 |
| Text | Allowances and Deductions |
| Label1 | Name | Label1 |
| Text | Item No |
| Label2 | Name | Label2 |
| Text | Item Name |
| Label3 | Name | Label3 |
| Text | Quantity |
| Label4 | Name | Label4 |
| Text | Unit Price |
| Label5 | Name | Label5 |
| Text | Enter choice to query |
| TextBox1 | Name | TextBox1 |
| Text | Null |
| TextBox2 | Name | TextBox2 |
| Text | Null |
| TextBox3 | Name | TextBox3 |
| Text | Null |
| TextBox4 | Name | TextBox4 |
| Text | Null |
| Button1 | Name | btnfirst |
| Text | First |
| Button2 | Name | btninsert |
| Text | Insert |
| Button3 | Name | btncancel |
| Text | Cancel |
| Button4 | Name | btnend |
| Text | End |
| Button5 | Name | btnfor |
| Text | Forward |
| Button6 | Name | btnback |
| Text | Backward |
| Button7 | Name | btnlast |
| Text | Last |
| RadioButton1 | Name | RadioButton1 |
| Text | Accept item no |
| RadioButton2 | Name | RadioButton2 |
| Text | Quantity > 100 |
| RadioButton3 | Name | RadioButton1 |
| Text | Quantity < 20 or unit price >= 100 |
| RadioButton4 | Name | RadioButton2 |
| Text | All |
| DataGridView1 | Name | DataGridView1 |

****

**Code:**

Imports System.Data.SqlClient

Module module1

Public con As New SqlConnection

Public cmd As New SqlCommand

Public Sub connect()

con.ConnectionString = "Data Source=DESKTOP-AVOSAQF\SQLEXPRESS;Initial Catalog=part\_c\_4;Integrated Security=True;Pooling=False"

con.Open()

cmd.Connection = con

End Sub

End Module

Public Class Form1

Dim adp As SqlDataAdapter

Dim ds As DataSet

Dim cmdstr As String

Public Sub displaygrid()

Dim rec As Integer

cmd = New SqlCommand(cmdstr, con)

adp = New SqlDataAdapter(cmd)

ds = New DataSet

rec = adp.Fill(ds, "item")

If rec = 0 Then

MsgBox("This item is not present in the database")

End If

DataGridView1.DataMember = "item"

DataGridView1.DataSource = ds

TextBox1.Text = ""

TextBox2.Text = ""

TextBox3.Text = ""

TextBox4.Text = ""

End Sub

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

End

End Sub

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

DataGridView1.Enabled = False

End Sub

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

If Val(TextBox1.Text) <= 0 Or Val(TextBox4.Text) <= 0 Or Val(TextBox4.Text) <= 0 Then

MsgBox("Please enter nonzero and positive numbers only")

Exit Sub

End If

connect()

cmd.CommandText = "insert into item(itemno,itemname,qty,price)values('" & TextBox1.Text & "','" & TextBox2.Text & "','" & TextBox3.Text & "','" & TextBox4.Text & "')"

cmd.ExecuteNonQuery()

MsgBox("Record inserted")

con.Close()

End Sub

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

TextBox1.Text = ""

TextBox2.Text = ""

TextBox3.Text = ""

TextBox4.Text = ""

End Sub

Private Sub RadioButton1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton1.Click

Dim itemnum As String

itemnum = InputBox("Enter item number to be searched")

connect()

cmdstr = "select \* from item where itemno=" & itemnum

displaygrid()

con.Close()

End Sub

Private Sub RadioButton2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton2.Click

connect()

cmdstr = "select \* from item where qty > 100"

displaygrid()

con.Close()

End Sub

Private Sub RadioButton3\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton3.Click

connect()

cmdstr = "select \* from item where qty<20 or price>=100"

displaygrid()

con.Close()

End Sub

Private Sub RadioButton4\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles RadioButton4.Click

connect()

cmdstr = "select \* from item"

displaygrid()

con.Close()

End Sub

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

BindingContext(ds, "item").Position = 0

End Sub

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

If BindingContext(ds, "item").Position = BindingContext(ds, "item").Count - 1 Then

MsgBox("You are already in last record. Can't move further")

Else

BindingContext(ds, "item").Position = BindingContext(ds, "item").Position + 1

End If

End Sub

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

If BindingContext(ds, "item").Position = 0 Then

MsgBox("You are already in first record!")

Else

BindingContext(ds, "item").Position = BindingContext(ds, "item").Position - 1

End If

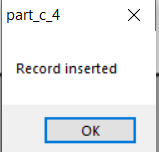
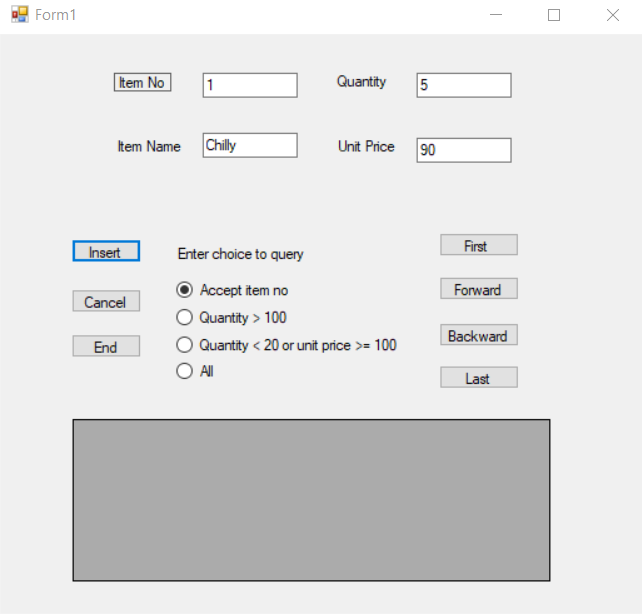
End Sub

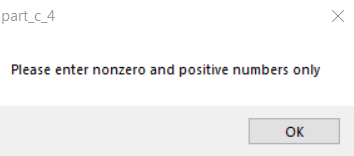
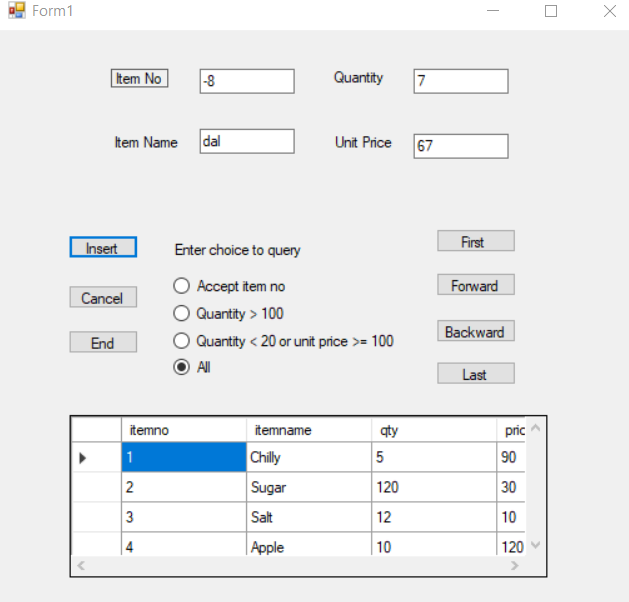
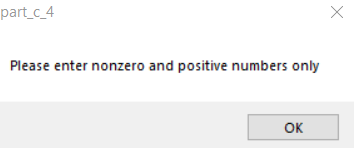
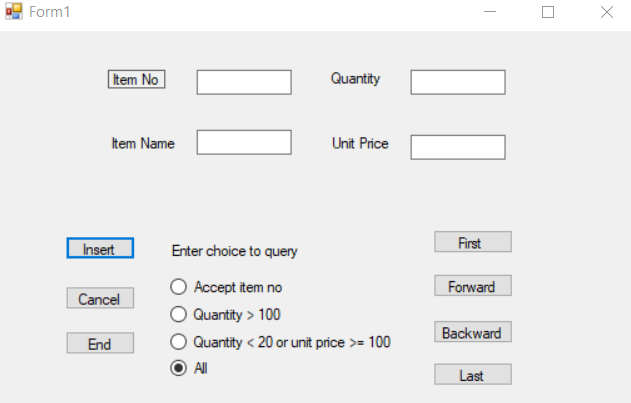
Private Sub btnlast\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnlast.Click

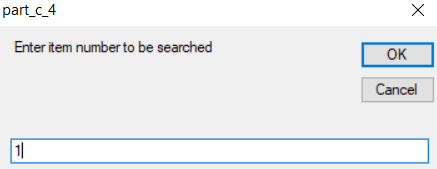
BindingContext(ds, "item").Position = BindingContext(ds, "item").Count - 1

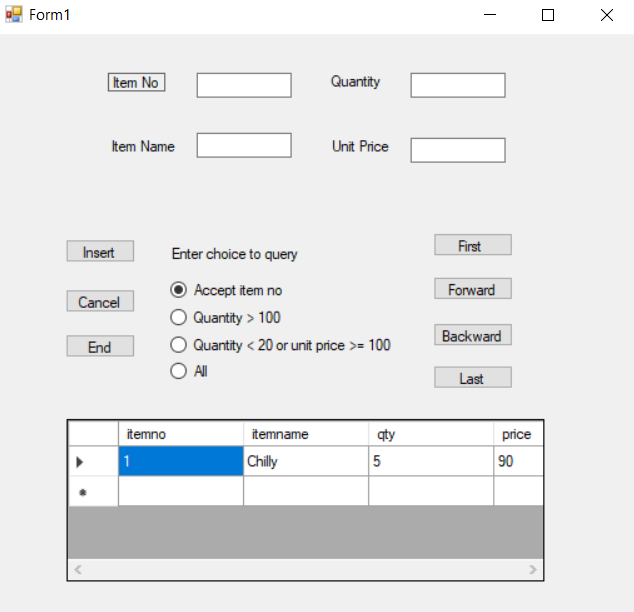
End Sub

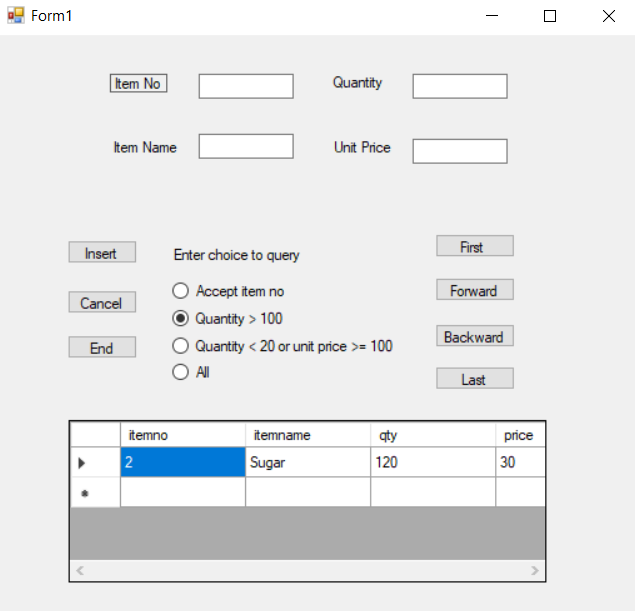
End Class

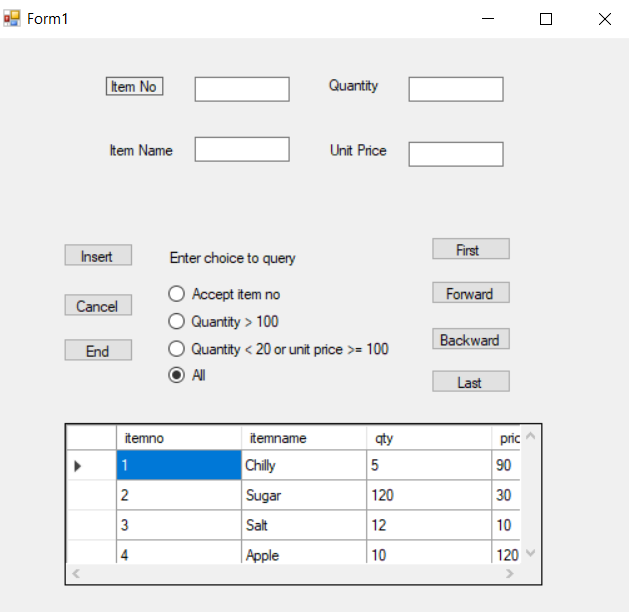
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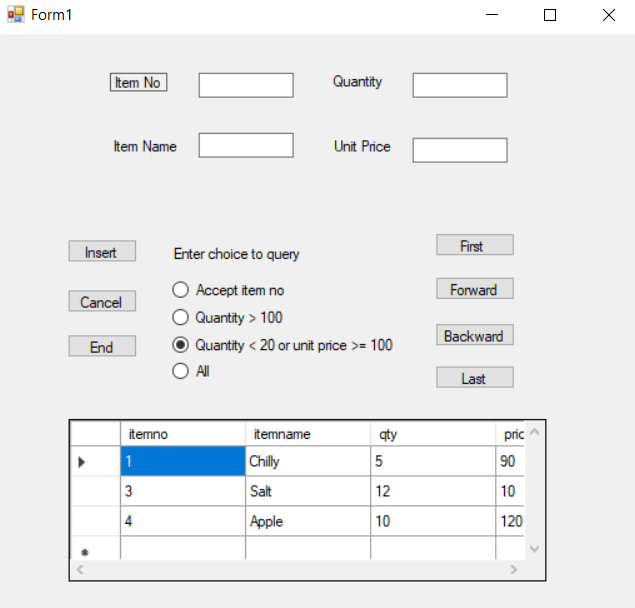
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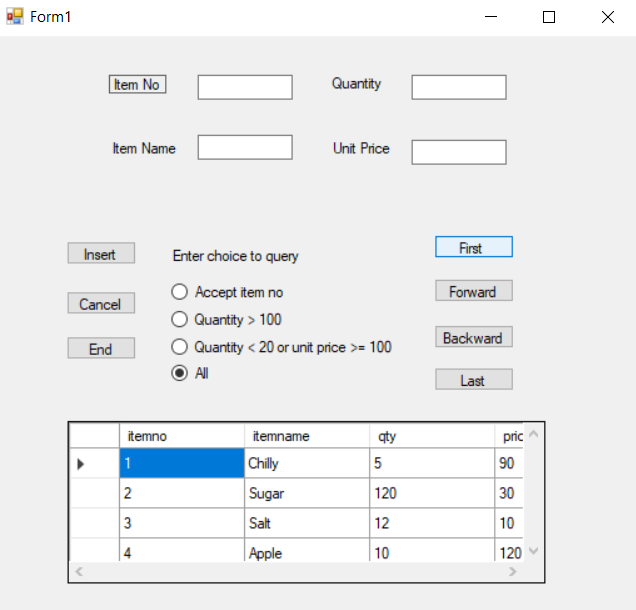
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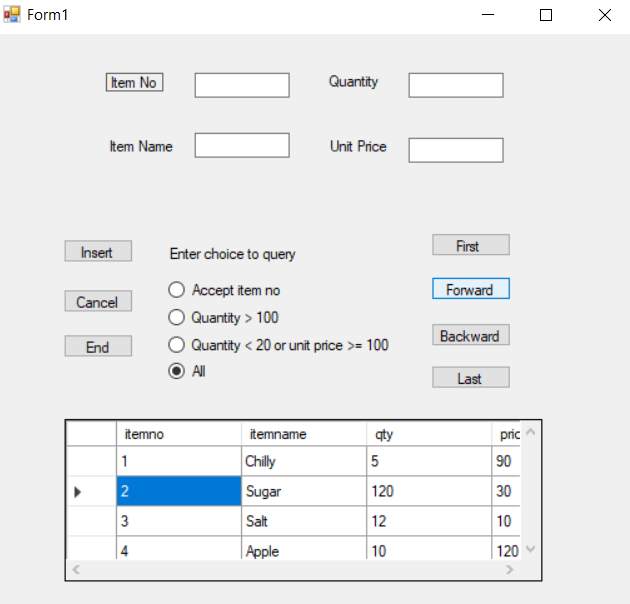
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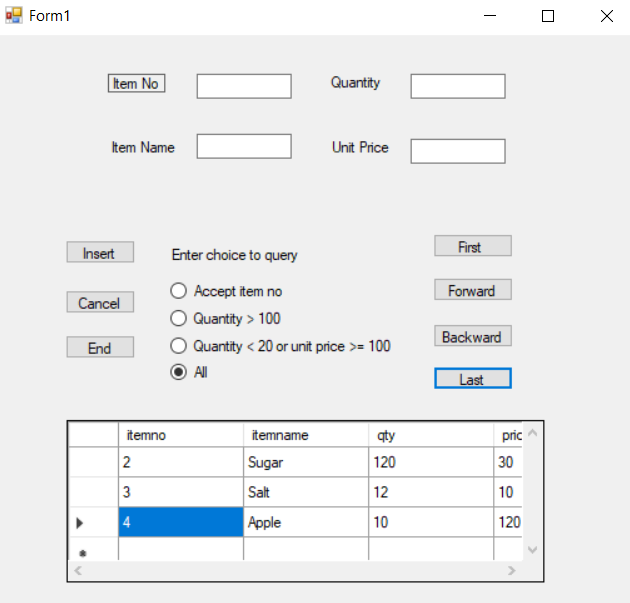
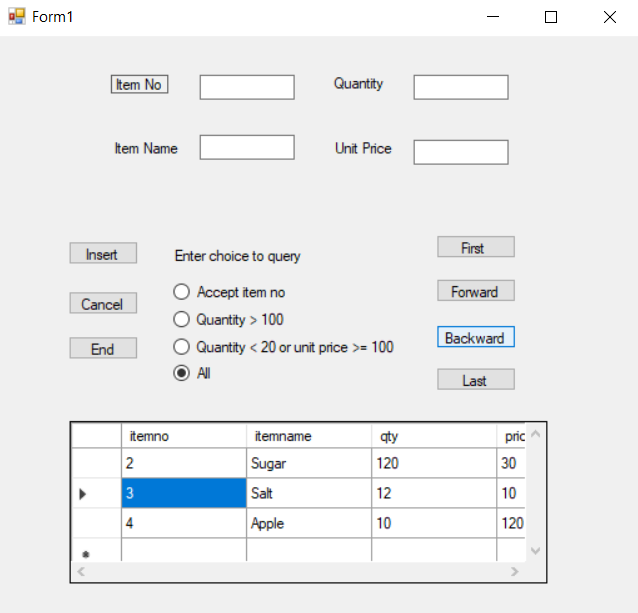
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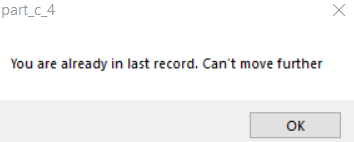
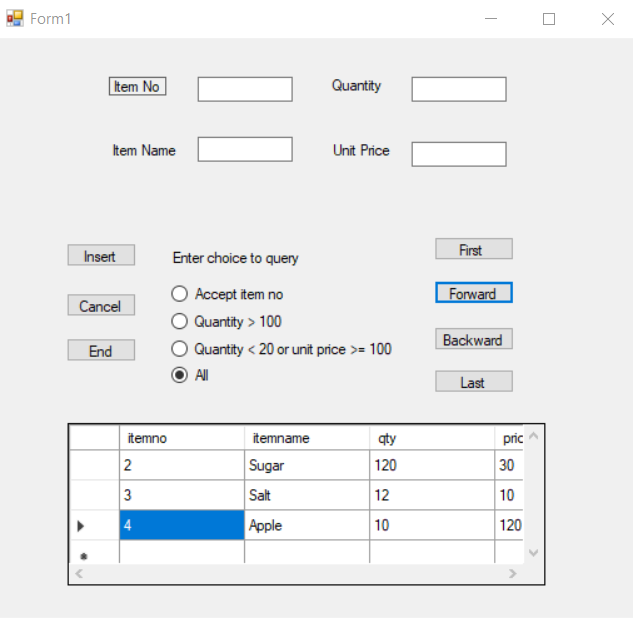
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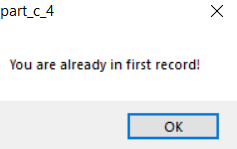
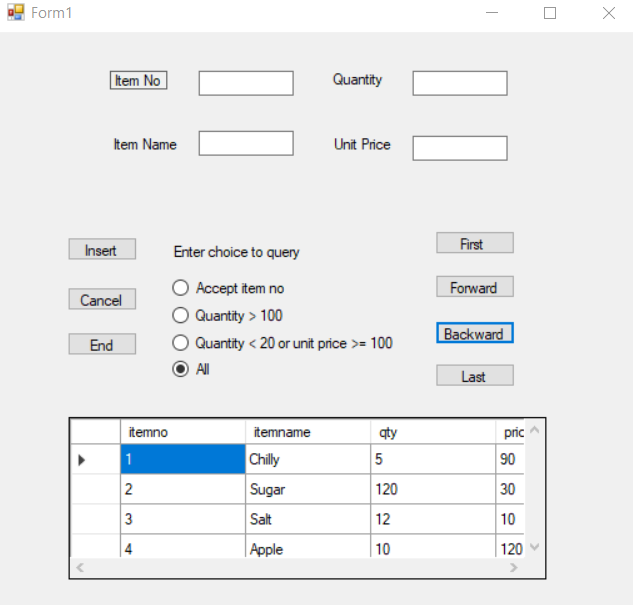
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