

1. Create VB.NET application that maintains information of students in the following data tables.

Student (id, name, course, DOB, address, Gender)

Perform insert, update and delete operations and also generate report in data Grid View for students who are studying in course BCA.

```
Imports System.Data.SqlClient
```

```
Public Class Form1
```

```
    Dim conn As New SqlConnection
```

```
    Dim cmd As New SqlCommand
```

```
    Dim intid As Integer
```

```
    Dim str, type As String
```

```
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
        Try
```

```
            conn.ConnectionString = "Data Source=.\SQLEXPRESS;AttachDbFilename=C:\Users\MSI\Downloads\jenral\1\1\student.mdf;Integrated Security=True;User Instance=True"
```

```
            cmd.Connection = conn
```

```
            MsgBox("Data base connect successfully")
```

```
        Catch ex As Exception
```

```
            MsgBox(ex.Message)
```

```
        End Try
```

```
        displaydata()
```

```
    End Sub
```

```
    Sub clearcontrol()
```

```
        TextBox1.Text = ""
```

```
        TextBox2.Text = ""
```

```
        RichTextBox1.Text = ""
```

```
    End Sub
```

```
    Sub displaydata()
```

```
        Try
```

```
            cmd.CommandText = "Select * from stud"
```

```
            Dim dt As New DataTable
```

```

Dim da As New SqlDataAdapter(cmd)

da.Fill(dt)

DataGridView1.DataSource = dt

Catch ex As Exception

    MsgBox(ex.Message)

End Try

End Sub

```

```

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

```

```

    Try

        If RadioButton1.Checked Then

            str = "Male"

        ElseIf RadioButton2.Checked Then

            str = "Male"

        End If

        Catch ex As Exception

            MsgBox(ex.Message)

        End Try

        Try

            cmd.CommandText = "INSERT INTO stud VALUES ('" & TextBox1.Text & "', '" & TextBox2.Text & "', '" &
ComboBox1.SelectedItem & "', '" & DateTimePicker1.Value.ToString("yyyy-MM-dd") & "', '" & str & "', '" &
RichTextBox1.Text & "')"

            conn.Open()

            cmd.ExecuteNonQuery()

            conn.Close()

            MsgBox("Data inserted")

        Catch ex As Exception

            MsgBox(ex.Message)

        End Try

        displaydata()

    End Sub

```

```

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

```

```

    Try

        If RadioButton1.Checked Then

```

```

        str = "Male"

    ElseIf RadioButton2.Checked Then

        str = "Female"

    Else

        MsgBox("Please! select your gender")

    End If

Catch ex As Exception

    MsgBox(ex.Message)

End Try

Try

    cmd.CommandText = "update stud set name = '" & TextBox2.Text & "',course = '" & ComboBox1.SelectedItem &
";dob = '" & DateTimePicker1.Value.ToString("yyyy-MM-dd") & "',gender = '" & str & "',adress = '" & RichTextBox1.Text & "
where id = '" & TextBox1.Text & "'"

    conn.Open()

    cmd.ExecuteNonQuery()

    conn.Close()

    MsgBox("Data updated")

Catch ex As Exception

    MsgBox(ex.Message)

End Try

displaydata()

clearcontrol()

End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click

    Try

        cmd.CommandText = "select * from stud where id = '" & TextBox1.Text & "'"

        conn.Open()

        cmd.ExecuteNonQuery()

        conn.Close()

        Dim dt As New DataTable

        Dim da As New SqlDataAdapter(cmd)

        da.Fill(dt)

        DataGridView3.DataSource = dt

        cmd.CommandText = "delete from stud where id = '" & TextBox1.Text & "'"

```

```
conn.Open()

cmd.ExecuteNonQuery()

conn.Close()

MsgBox("Data deleted successfully ")

Catch ex As Exception

    MsgBox(ex.Message)

End Try

displaydata()

clearcontrol()

End Sub
```

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

```
Try

    cmd.CommandText = "select * from stud where course = '" & ComboBox1.SelectedItem & "'"

    conn.Open()

    cmd.ExecuteNonQuery()

    conn.Close()

    Dim dt As New DataTable

    Dim da As New SqlDataAdapter(cmd)

    da.Fill(dt)

    DataGridView2.DataSource = dt

Catch ex As Exception

    MsgBox(ex.Message)

End Try

displaydata()

clearcontrol()

End Sub
```

Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click

```
Try

    cmd.CommandText = "select Count(*) from stud"

    Dim stcnt As Integer

    conn.Open()

    stcnt = Convert.ToInt32(cmd.ExecuteScalar)

End Try
```

```
conn.Close()
```

```
MessageBox.Show("Total student = " + stcnt.ToString())
```

```
Catch ex As Exception
```

```
MsgBox(ex.Message)
```

```
End Try
```

```
End Sub
```

```
End Class
```

Output :

Student ID: Insert

Name: Update

Course: BBA

D.O.B: 15 January 2025

Gender: ☒ Male ☐ Female

Adress:

Inserted Data

	id	name	course	dob	gender	adress
▶	2	Dhruv	BBA	10-01-2025	Male	Lajamani
	4	goti	B.TECH	15-01-2025	Male	punagam
*						

Search Data

	id	name	course	dob	gender	adress
▶	2	Dhruv	BBA	10-01-2025	Male	Lajamani
*						

Deleted data

	id	name	course	dob	gender	adress
▶	3	Abhi	BCA	21-12-2024	Male	mota varachha
*						

2. Create VB.NET application to maintain item information.

ItemMst (Item No, Name, Cost, Quantity) Design proper form which search for a particular item. If it is found accepts new cost and quantity, otherwise insert new record in the table. Also generate report of out of stock item name in data grid view.

```
Imports System.Data.SqlClient
```

```
Public Class Form1
```

```
    Dim con As New SqlConnection
```

```
    Dim cmd As New SqlCommand
```

```
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
        Try
```

```
            con.ConnectionString = "Data Source=.\SQLEXPRESS;AttachDbFilename=C:\Users\MSI\Downloads\jenral\2\2\Database1.mdf;Integrated Security=True;User Instance=True"
```

```
            cmd.Connection = con
```

```
            MsgBox("Database connected successfully")
```

```
        Catch ex As Exception
```

```
            MsgBox(ex.Message)
```

```
        End Try
```

```
        displaydata()
```

```
    End Sub
```

```
Sub clearcontrol()
```

```
    TextBox1.Text = " "
```

```
    TextBox2.Text = " "
```

```
    TextBox3.Text = " "
```

```
    TextBox4.Text = " "
```

```
End Sub
```

```
Sub displaydata()
```

```
    Try
```

```
        cmd.CommandText = "Select * from item"
```

```
        Dim dt As New DataTable
```

```
        Dim da As New SqlDataAdapter(cmd)
```

```
        da.Fill(dt)
```

```
DataGridView1.DataSource = dt
```

```
Catch ex As Exception
```

```
    MsgBox(ex.Message)
```

```
End Try
```

```
End Sub
```

```
Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
```

```
    con.Open()
```

```
    cmd.Connection = con
```

```
    cmd.CommandText = "SELECT * FROM item where item_no = '" & TextBox1.Text & "'"
```

```
    Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
    If reader.Read() Then
```

```
        reader.Close()
```

```
        cmd.CommandText = "UPDATE item SET cost = '" & TextBox3.Text & "', qty = '" & TextBox4.Text & "' WHERE  
item_no = '" & TextBox1.Text & "'"
```

```
        cmd.ExecuteNonQuery()
```

```
        MessageBox.Show("Item updated successfully.")
```

```
    Else
```

```
        reader.Close()
```

```
        cmd.CommandText = "INSERT INTO item VALUES ('" & TextBox1.Text & "', '" & TextBox2.Text & "', '" & TextBox3.Text  
& "', '" & TextBox4.Text & "')"
```

```
        cmd.ExecuteNonQuery()
```

```
        MessageBox.Show("New item added successfully.")
```

```
    End If
```

```
    displaydata()
```

```
    con.Close()
```

```
End Sub
```

```
Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
```

```
    Try
```

```
        con.Open()
```

```
        cmd.Connection = con
```

```
        cmd.CommandText = "select * from item where qty = 0"
```

```
        Dim reader As SqlDataReader = cmd.ExecuteReader()
```

```
        Dim dt As New DataTable
```

```

dt.Load(reader)

DataGridView2.DataSource = dt

reader.Close()

con.Close()

Catch ex As Exception

    MsgBox(ex.Message)

con.Close()

End Try

End Sub

End Class

```

Output :

Item No: Update

Name: Report

Cost:

Quantity:

Update

	item_no	name	cost	qty
▶	1	Laptop	10000	1
	2	phone	20000	4
	3	cpu	30000	5
	4	tablet	10000	20
	5	iphon	5000	10

Report

	item_no	name	cost	qty
*				

3. Create a VB.NET application to maintain information Insurance policy holder in following table.

tblPolicydetails (PolyNo, HolderName, PolyType [Health, General and Life insurance], Premium Amount, No_of_Years)

Perform Insert, Delete and Update operations on it and also generate report in data gridview as per the policy type selected by user.

```
Imports System.Data.SqlClient
```

```
Public Class Form1
```

```
    Dim conn As New SqlConnection
```

```
    Dim cmd As New SqlCommand
```

```
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
        Try
```

```
            conn.ConnectionString = "Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\MSI\Downloads\jenral\3\3\Database.mdf;Integrated Security=True"
```

```
            cmd.Connection = conn
```

```
            MsgBox("Data base connect successfully")
```

```
        Catch ex As Exception
```

```
            MsgBox(ex.Message)
```

```
        End Try
```

```
        displaydata()
```

```
    End Sub
```

```
    Sub clearcontrol()
```

```
        TextBox1.Text = ""
```

```
        TextBox2.Text = ""
```

```
        TextBox3.Text = ""
```

```
        TextBox4.Text = ""
```

```
    End Sub
```

```
    Sub displaydata()
```

```
        Try
```

```
            cmd.CommandText = "Select * from policy"
```

```
            Dim dt As New DataTable
```

```
            Dim da As New SqlDataAdapter(cmd)
```

```
            da.Fill(dt)
```

```
DataGridView1.DataSource = dt
```

```
Catch ex As Exception
```

```
    MsgBox(ex.Message)
```

```
End Try
```

```
End Sub
```

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

```
    Try
```

```
        cmd.CommandText = "insert into policy values('" & TextBox1.Text & "','" & TextBox2.Text & "','" &
        ComboBox1.SelectedItem & "','" & TextBox3.Text & "','" & TextBox4.Text & "')"
    
```

```
        conn.Open()
```

```
        cmd.ExecuteNonQuery()
```

```
        conn.Close()
```

```
        MsgBox("Data inserted")
```

```
    Catch ex As Exception
```

```
        MsgBox(ex.Message)
```

```
    End Try
```

```
    displaydata()
```

```
End Sub
```

```
Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
```

```
    Try
```

```
        cmd.CommandText = "update policy set HolderName = '" & TextBox2.Text & "',PolyType = '" &
        ComboBox1.SelectedItem & "',[Premium Amount] = '" & TextBox3.Text & "',No_of_Years ='" & TextBox4.Text & "' where
        PolyNo ='" & TextBox1.Text & "'"
    
```

```
        conn.Open()
```

```
        cmd.ExecuteNonQuery()
```

```
        conn.Close()
```

```
        MsgBox("Data updated succefully")
```

```
    Catch ex As Exception
```

```
        MsgBox(ex.Message)
```

```
    End Try
```

```
    displaydata()
```

```
End Sub
```

```
Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
```

Try

```
cmd.CommandText = "delete from policy where PolyNo = " & TextBox1.Text & ""
```

```
conn.Open()
```

```
cmd.ExecuteNonQuery()
```

```
conn.Close()
```

```
MsgBox("Data deletd successfully")
```

Catch ex As Exception

```
MsgBox(ex.Message)
```

End Try

```
displaydata()
```

```
clearcontrol()
```

End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

Try

```
cmd.CommandText = "Select * from policy where PolyType = '" & ComboBox1.SelectedItem & "'"
```

```
conn.Open()
```

```
cmd.ExecuteNonQuery()
```

```
conn.Close()
```

```
Dim dt As New DataTable
```

```
Dim da As New SqlDataAdapter(cmd)
```

```
da.Fill(dt)
```

```
DataGridView2.DataSource = dt
```

Catch ex As Exception

```
MsgBox(ex.Message)
```

End Try

End Sub

End Class

Output :

Form1

PolicyNo

Hoder Name

Policy type

Premium Amount

No_of_Years

Data

	PolyNo	HolderName	Poly Type	Premium Amount	No_of_Years
▶	101	Mohitbhai	Health	2000	10
	102	Dhruvbhai	General	1500	7
	103	abhibhai	Life insurance	3000	20
	104	Dhami	Health	4000	2
*					

Search Data

	PolyNo	HolderName	Poly Type	Premium Amount	No_of_Years
▶	101	Mohitbhai	Health	2000	10
	104	Dhami	Health	4000	2
*					

4. Create a VB.NET application to maintain information of Medicine in following table.

tblMedicine

(MID, Name, Type[tablet, capsule, syrup), company, rate)

Perform Insert, Delete and Update operations on it and also generate report in data gridview for those medicine which are syrup and rate less than 500.

```
Imports System.Data.SqlClient
```

```
Public Class Form1
```

```
    Dim conn As New SqlConnection
```

```
    Dim cmd As New SqlCommand
```

```
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
        Try
```

```
            conn.ConnectionString = "Data
Source=.\SQLEXPRESS;AttachDbFilename=C:\Users\MSI\Downloads\jenral\4\4\Database1.mdf;Integrated
Security=True;User Instance=True"
```

```
            cmd.Connection = conn
```

```
            MsgBox("Data base connect successfully")
```

```
        Catch ex As Exception
```

```
            MsgBox(ex.Message)
```

```
        End Try
```

```
        displaydata()
```

```
    End Sub
```

```
    Sub clearcontrol()
```

```
        TextBox1.Text = " "
```

```
        TextBox2.Text = " "
```

```
        TextBox3.Text = " "
```

```
        TextBox4.Text = " "
```

```
    End Sub
```

```
    Sub displaydata()
```

```
        Try
```

```
            cmd.CommandText = "Select * from tblmedicine"
```

```
            Dim dt As New DataTable
```

```
            Dim da As New SqlDataAdapter(cmd)
```

```
            da.Fill(dt)
```

```
DataGridView1.DataSource = dt
```

```
Catch ex As Exception
```

```
    MsgBox(ex.Message)
```

```
End Try
```

```
End Sub
```

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

```
Try
```

```
    cmd.CommandText = "insert into tblmedicine values('" & TextBox1.Text & "','" & TextBox2.Text & "','" &  
    ComboBox1.SelectedItem & "','" & TextBox3.Text & "','" & TextBox4.Text & "')"

```

```
    conn.Open()
```

```
    cmd.ExecuteNonQuery()
```

```
    conn.Close()
```

```
    MsgBox("Data inserted")
```

```
Catch ex As Exception
```

```
    MsgBox(ex.Message)
```

```
End Try
```

```
displaydata()
```

```
End Sub
```

```
Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
```

```
Try
```

```
    cmd.CommandText = "update tblmedicine set name = '" & TextBox2.Text & "',type = '" &  
    ComboBox1.SelectedItem & "',company = '" & TextBox3.Text & "',rate='" & TextBox4.Text & "' where mid = '" &  
    TextBox1.Text & "'"

```

```
    conn.Open()
```

```
    cmd.ExecuteNonQuery()
```

```
    conn.Close()
```

```
    MsgBox("Data updated succefully")
```

```
Catch ex As Exception
```

```
    MsgBox(ex.Message)
```

```
End Try
```

```
displaydata()
```

```
End Sub
```

```
Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
```

Try

```
cmd.CommandText = "delete from tblmedicine where mid = " & TextBox1.Text & ""
```

```
conn.Open()
```

```
cmd.ExecuteNonQuery()
```

```
conn.Close()
```

```
MsgBox("Data deletd successfully")
```

Catch ex As Exception

```
MsgBox(ex.Message)
```

End Try

```
displaydata()
```

```
clearcontrol()
```

End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

Try

```
cmd.CommandText = "Select * from tblmedicine where type = '" & ComboBox1.SelectedItem & "' and rate < '500'"
```

```
conn.Open()
```

```
cmd.ExecuteNonQuery()
```

```
conn.Close()
```

```
Dim dt As New DataTable
```

```
Dim da As New SqlDataAdapter(cmd)
```

```
da.Fill(dt)
```

```
DataGridView2.DataSource = dt
```

Catch ex As Exception

```
MsgBox(ex.Message)
```

End Try

End Sub

End Class

Output :

Form1

Mid:

Name:

Type:

Compnay:

Rate:

Data

	mid	name	type	company	Rate
▶	101	Mohit	tablet	abc	50
	102	Dhruv	capsule	xyz	100
	103	abhi	syrup	mno	75
	104	pal	tablet	qwe	400
	105	kelvin	capsule	ryu	50
*					

Data Seach

	mid	name	type	company	Rate
▶	102	Dhruv	capsule	xyz	100
	105	kelvin	capsule	ryu	50
*					

5. Create a VB.Net application to manage insurance information.

Agent_Master: (Agent_code, Agent_name, City)

Policy_Master: (Policy_no, Agent_code, Customer_name, Start_date, End_date, Policy_amt)

Perform following operations:

- (a) Provide Insert, Update, Delete and Display facilities.
- (b) Display policy no., agent no. and policy holder name in ascending order based on policy amount.
- (c) Display Agent name, his clients' name and total policy amount agent-wise.

```
Imports System.Data.SqlClient
```

```
Public Class Form1
```

```
    Dim con As New SqlConnection
```

```
    Dim cmd As New SqlCommand
```

```
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load
```

```
    Try
```

```
        con.ConnectionString = "Data Source=.\SQLEXPRESS;AttachDbFilename=C:\Users\MSI\Downloads\A5\Database1.mdf;Integrated Security=True;User Instance=True"
```

```
        cmd.Connection = con
```

```
        MsgBox("Connection Done")
```

```
    Catch ex As Exception
```

```
        MsgBox(ex.Message)
```

```
    End Try
```

```
    disdata1()
```

```
    disdata2()
```

```
End Sub
```

```
Sub clearcontrol()
```

```
    TextBox1.Text = ""
```

```
    TextBox2.Text = ""
```

```
    TextBox3.Text = ""
```

```
    TextBox4.Text = ""
```

```
        TextBox5.Text = ""  
        ComboBox1.SelectedItem = Nothing  
    End Sub
```

```
Sub disdata1()  
    Try  
        cmd.CommandText = "select * from agent"  
        Dim dt As New DataTable  
        Dim da As New SqlDataAdapter(cmd)  
        da.Fill(dt)  
        DataGridView1.DataSource = dt  
    Catch ex As Exception  
        MsgBox(ex.Message)  
    End Try  
End Sub
```

```
Sub disdata2()  
    Try  
        cmd.CommandText = "select * from policy"  
        Dim dt As New DataTable  
        Dim da As New SqlDataAdapter(cmd)  
        da.Fill(dt)  
        DataGridView2.DataSource = dt  
    Catch ex As Exception  
        MsgBox(ex.Message)  
    End Try  
End Sub
```

```
Private Sub DataGridView1_CellContentClick(ByVal sender As System.Object, ByVal e As  
System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView1.CellClick
```

```
    Try  
        TextBox2.Text = DataGridView1.Rows(e.RowIndex).Cells(1).Value  
    Catch ex As Exception  
        MsgBox(ex.Message)  
    End Try
```

End Sub

```
Private Sub DataGridView2_CellContentClick(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView2.CellClick
```

Try

TextBox3.Text = DataGridView2.Rows(e.RowIndex).Cells(0).Value

Catch ex As Exception

MsgBox(ex.Message)

End Try

End Sub

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

Try

If TextBox3.Text = "" Then

```
cmd.CommandText = "insert into agent values(" & TextBox1.Text & ", " & TextBox2.Text & ", " &
ComboBox1.SelectedItem & ")"
```

con.Open()

cmd.ExecuteNonQuery()

con.Close()

MsgBox("Data Inserted in Agent table.")

disdata1()

clearcontrol()

Else

```
cmd.CommandText = "insert into policy values(" & TextBox3.Text & ", " & TextBox1.Text & ", " & TextBox4.Text &
", " & DateTimePicker1.Value.ToString("yyyy-MM-dd") & ", " & DateTimePicker2.Value.ToString("yyyy-MM-dd") & ", " &
TextBox5.Text & ")"
```

con.Open()

cmd.ExecuteNonQuery()

con.Close()

MsgBox("Data Inserted in Policy table.")

disdata2()

clearcontrol()

End If

Catch ex As Exception

MsgBox(ex.Message)

End Try

End Sub

Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

Try

If TextBox3.Text = "" Then

cmd.CommandText = "update agent set a_name = " & TextBox2.Text & ", city = " & ComboBox1.SelectedItem & " where a_code = " & TextBox1.Text & ""

con.Open()

cmd.ExecuteNonQuery()

con.Close()

MsgBox("Record is updated in agent table")

disdata1()

clearcontrol()

Else

cmd.CommandText = "update policy set a_code = " & TextBox1.Text & ", customer_name = " & TextBox4.Text & ", s_date = " & DateTimePicker1.Value.ToString("yyyy-MM-dd") & ", e_date = " & DateTimePicker2.Value.ToString("yyyy-MM-dd") & ", p_amt = " & TextBox5.Text & " where p_no = " & TextBox3.Text & ""

con.Open()

cmd.ExecuteNonQuery()

con.Close()

MsgBox("Record is updated in agent table")

disdata2()

clearcontrol()

End If

Catch ex As Exception

MsgBox(ex.Message)

End Try

End Sub

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click

Try

If TextBox3.Text = "" Then

cmd.CommandText = "delete from agent where a_name = " & TextBox2.Text & ""

con.Open()

cmd.ExecuteNonQuery()

```

        con.Close()

        MsgBox("Record is deleted from agent table.")

        disdata1()

        clearcontrol()

    Else

        cmd.CommandText = "delete from policy where p_no = " & TextBox3.Text & ""
        con.Open()
        cmd.ExecuteNonQuery()
        con.Close()

        MsgBox("Record is deleted from policy table.")

        disdata2()

        clearcontrol()

    End If

Catch ex As Exception

    MsgBox(ex.Message)

End Try

End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

    Try

        cmd.CommandText = "select p.p_no,a.a_code,p.customer_name from policy p join agent a on p.a_code =
a.a_code order by p.customer_name ASC"

        Dim dt As New DataTable

        Dim da As New SqlDataAdapter(cmd) 'To fetch data

        da.Fill(dt)

        DataGridView3.DataSource = dt

    Catch ex As Exception

        MsgBox(ex.Message)

    End Try

End Sub

Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click

    Try

        cmd.CommandText = "select a.a_name,p.customer_name,p.p_amt from policy p join agent a on p.a_code =
a.a_code order by a.a_name"
    
```

```

Dim dt As New DataTable

Dim da As New SqlDataAdapter(cmd) 'To fetch data

da.Fill(dt)

DataGridView3.DataSource = dt

Catch ex As Exception

    MsgBox(ex.Message)

End Try

End Sub

End Class
    
```

Output :

The screenshot shows a .NET application window with a form and two data tables. The form has input fields for Agent_code, Agent_name, City, Policy_no, Customer_name, Start_date, End_date, and Policy_amt. There are buttons for Insert, Update, Delete, Que - 1, and Que - 2. Below the form is a section titled 'Join Queries' containing a table with columns p_no, a_code, and customer_name. To the right of the form is a section titled 'Agent Table' containing a table with columns a_code, a_name, and city. Below the Agent Table is a section titled 'Policy Table' containing a table with columns p_no, a_code, customer_name, s_date, e_date, and p_amt.

a_code	a_name	city
1	mohit	surat
2	hardik	navsari
3	dhruv	ahmedabad
4	pal	junagadh
5	deep	gandhinagar

p_no	a_code	customer_name
103	3	Abhi
102	2	aniket
104	1	kartik
101	1	nityam

p_no	a_code	customer_name	s_date	e_date	p_amt
101	1	nityam	01-02-2025	15-02-2025	10000
102	2	aniket	01-01-2025	30-01-2025	15000
103	3	Abhi	01-12-2023	30-12-2024	20000
104	1	kartik	25-07-2024	21-09-2024	5000