Assignment-22

Q 1. Write a program in vb.net to perform insert, update, delete command on database.

Code: -

```vbnet
Imports System.Data.OleDb
Public Class Form1
    Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\rkd87\OneDrive\Desktop\Student.accdb")
    Dim cmd As OleDbCommand

    Private Sub data_bind()
        Dim cmd1 As New OleDbCommand("select * from table1", conn)
        Dim data_adap As New OleDbDataAdapter
        data_adap.SelectCommand = cmd1
        Dim Student As New DataTable
        Student.Clear()
        data_adap.Fill(Student)
        DataGridView1.DataSource = Student
    End Sub
    Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
MyBase.Load
        Dim conn As New OleDbConnection("Provider=Microsoft.ACE.OLEDB.12.0;Data
Source=C:\Users\rkd87\OneDrive\Desktop\Student.accdb")
        'Me.Table1TableAdopter.Fill(Me.StudentDataSet.Table1)
        data_bind()
    End Sub
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        TextBox1.Text = " "
        TextBox2.Text = " "
        TextBox3.Text = " "
        TextBox4.Text = " "
        TextBox5.Text = " "
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
        Dim strSql As String
        strSql = "insert into table1(Name,Address,Phone_no,Marks,Class) values(@Name,
@Address,@Phone_no,@Marks,@Class)"
        Dim cmd2 As New OleDbCommand(strSql, conn)
        cmd2.Parameters.AddWithValue("@Name", TextBox1.Text)
        cmd2.Parameters.AddWithValue("@Address", TextBox2.Text)
        cmd2.Parameters.AddWithValue("@Phone_no", TextBox3.Text)
        cmd2.Parameters.AddWithValue("@Marks", TextBox4.Text)
        cmd2.Parameters.AddWithValue("@Class", TextBox5.Text)
        conn.Open()
        cmd2.ExecuteNonQuery()
        conn.Close()
        data_bind()
```

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```vbnet
    End Sub

    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
        cmd = New OleDbCommand("Update table1 set Name= '" & TextBox1.Text & "',Address='" & TextBox2.Text & "',Phone_no=" & TextBox3.Text & ",Marks=" & TextBox4.Text & ",Class='" & TextBox5.Text & "' where Name= '" & TextBox1.Text & "'", conn)
        conn.Open()
        cmd.ExecuteNonQuery()
        conn.Close()
        data_bind()
    End Sub

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

    Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
        Dim cmd4 As New OleDbCommand("delete from table1 where Name= @Name", conn)
        cmd4.Parameters.AddWithValue("@Name", TextBox1.Text)
        conn.Open()
        cmd4.ExecuteNonQuery()
        conn.Close()
        data_bind()
    End Sub

    Private Sub DataGridView1_CellContentClick(ByVal sender As System.Object, ByVal e As System.Windows.Forms.DataGridViewCellEventArgs) Handles DataGridView1.CellContentClick
        Dim Index As Integer
        Index = e.RowIndex
        Dim selectedrow As DataGridViewRow = DataGridView1.Rows(Index)
        TextBox1.Text = selectedrow.Cells(1).Value.ToString()
        TextBox2.Text = selectedrow.Cells(2).Value.ToString()
        'TextBox3.Text = selectedrow.Cells(3).Value.ToString()
        'TextBox4.Text = selectedrow.Cells(4).Value.ToString()
        TextBox5.Text = selectedrow.Cells(5).Value.ToString()
    End Sub
End Class
```

Output: -

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Form 1

Form1

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Student data

Name:	Shruti
Address:	Bharuch
Phone_no :	564676467
Marks :	560
Class :	FYBCA

	ID	Name	Address	Phone_no	Marks
	12	Mansi	Vapi	564564644	650
	13	Kaushal	Valsad	56546766	650
	14	Mohit	Bhopal	563467467	610
	16	Manoj	Surat	565546566	430
	17	Shruti	Bharuch	564676467	560
*					

New   Insert   Update

Delete   Close

Form 2

Form1

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Student data

Name:	Manoj
Address:	Valsad
Phone_no :	45435677
Marks :	400
Class :	FYBCA

	ID	Name	Address	Phone_no	Marks	Class
	9					
	12	Mansi	Vapi	564564644	650	SYBCA
	13	Kaushal	Valsad	56546766	650	SYBCA
	14	Mohit	Bhopal	563467467	610	SYBBA
	16	Manoj	Valsad	45435677	400	FYBCA
	17	Shruti	Bharuch	564676467	560	FYBCA
*						

New   Insert   Update

Delete   Close

Form 3

Form1

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Student data

Name:	Shruti
Address:	Bharuch
Phone_no :	453333335
Marks :	560
Class :	FYBCA

	ID	Name	Address	Phone_no	Marks	Class
	7					
	9					
	12	Mansi	Vapi	564564644	650	SYBCA
	13	Kaushal	Valsad	56546766	650	SYBCA
	14	Mohit	Bhopal	563467467	610	SYBBA
	16	Manoj	Valsad	45435677	400	FYBCA
*						

New   Insert   Update

Delete   Close

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