

Q: I

Create a calculator in VB.NET.

Public Class Form1

Dim str As String

Dim x As Double

Dim y As Double.

Private Sub Button1_Click(ByVal sender
As System.Object, ByVal e As System.
EventArgs) Handles Button1.Click,
Button2.Click, Button3.Click, Button4.
Click, Button5.Click, Button6.Click,
Button7.Click, Button8.Click, Button9.
Click, Button10.Click, Button11.Click,

TextBox1.Text += "

TextBox2.Text += "

TextBox3.Text += "

TextBox4.Text += "

TextBox5.Text += "

TextBox6.Text += "

vision

TEXTBOX1.TEXT += " "

TEXTBOX2.TEXT += " "

TEXTBOX2.TEXT += " "

TEXTBOX2.TEXT += " "

TEXTBOX2.TEXT += " "

End sub

Private Sub Button16_Click(ByVal

Sender As System.Object, ByVal e As
System.EventArgs) Handles Button16.Click

x = Val(TEXTBOX2.TEXT)

TEXTBOX2.TEXT = " "

str = " " +

End sub.

Private Sub Button4_Click(ByVal

Sender As System.Object, ByVal e As
System.EventArgs) Handles div.Click

x = Val(TEXTBOX1.TEXT)

TEXTBOX1.TEXT = " "

str = " " +

End sub

Private Sub Button19_Click(ByVal

Sender As System.Object, ByVal e As

System.EventArgs) Handles Button19

.Click

TEXTBOX2.TEXT += " . "

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```
Private Sub Button14_Click (ByVal  
    Sender As System.Object, ByVal e As  
    System.EventArgs) Handles Subst.  
    Click
```

```
X = Val (TextBox1.Text + )  
    TextBox1.Text = ""  
    Str = " - "
```

```
End Sub.
```

```
Private Sub Button15_Click (ByVal sender  
    As System.Object, ByVal e As System  
    EventArgs) Handles Cancel.Click
```

```
    TextBox1.Clear()  
End Sub.
```

```
Private Sub Button17_Click (ByVal  
    Sender As System.Object, ByVal e As  
    System.EventArgs) Handles Mus.Click
```

```
X = Val (TextBox1.Text)  
    TextBox1.Text = ""  
    Str = " " "
```

```
End Sub.
```

```
Private Sub Button11_Click (ByVal sender  
    As System.Object, ByVal e As System  
    EventArgs) Handles Canv.Click  
    Y = Val (TextBox1.Text)
```

```
IF str = " + " Then  
    TextBox1.Text = x + y  
ELSEIF str = " * " Then  
    TextBox1.Text = x * y  
ELSEIF str = " / " Then  
    TextBox1.Text = x / y  
ELSE : str = " - "  
    TextBox1.Text = x - y  
End IF
```

End sub

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

```
x = Val(TextBox1.Text)  
TextBox1.Text = " "  
str = " 0 / 0 "  
End Sub
```

End Class

Q : 2 Create a TIC TAC TOE grammar Application in the VB.NET.

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```
Public Class Form1
    Dim s As String
    Dim flag As Boolean = True
    Dim c As Integer = 0
    Dim m As MsgBoxResult.
```

```
Private Sub b1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles b1.Click, b2.Click, b3.Click, b4.Click, b5.Click, b6.Click, b7.Click, b8.Click, b9.Click
```

```
If flag Then
```

```
s = "X"
```

```
flag = False
```

```
Else
```

```
s = "O"
```

```
flag = True
```

```
End If
```

```
End
```

```
C + = 1
```

```
End
```

Sender.Text = S

Sender.Enabled = True.

If b1.Text = S And b2.Text = S And

b3.Text = S Then

If S = "X" Then

MsgBox ("Congratulations player
I, you won the game")

Else

MsgBox ("Congratulations player e
you won the game")

End If

Call decaguim().

ElseIf b4.Text = S And b5.Text = S

And b6.Text = S Then

If S = "X" Then

MsgBox ("Congratulations player
I, you won the game")

Else

MsgBox ("Player e you won
the game")

End If

Call decaguim()

ElseIf b7.Text = S And b8.Text = S

And b9.Text = S Then

If S = "X" Then

MsgBox ("Player I you won
the game")

Else

MsgBox ("Player e you won
the game")

End If

Call deciuguiin()

ElseIf b2.Text = s And b4.Text = s

And b7.Text = s Then

If s = "X" Then

MsgBox ("player 2, you won
the game")

Else

MsgBox ("player 2, you won
the game")

End If

Call deciuguiin()

ElseIf b2.Text = s And b5.Text = s

And b8.Text = s Then

If s = "X" Then

MsgBox ("player 1, you won
the game")

Else

MsgBox ("player 2, you won
the game")

End If

Call deciuguiin()

ElseIf b3.Text = s And b6.Text = s

And b9.Text = s Then

If s = "X" Then

MsgBox ("player 1, you won
the game")

Else MsgBox ("player 2, you won
the game")

End If

call deciaguiin()

ElseIf b1.Text = 5 And b5.Text
= 5 And b9.Text = 5 Then
If s = "X" Then
msgbox ("Player 1, you won the
game")
Else
msgbox ("Player 2, you won the
game")
End If

call deciaguiin()

ElseIf b3.Text = 5 And b5.Text = 5
And b7.Text = 5 And Then
If s = "X" Then
msgbox ("Player 1, you won
the game")
Else
msgbox ("Player 2, you won
the game")
End If

call deciaguiin()

ElseIf c = 9 Then
msgbox ("game draw")
call deciaguiin()

End If

End Sub

Sub declugdin()

 If msgbox("Do you want to
 play again ??", msgBoxStyle.YesNo
 + msgBoxStyle.Question)

 If msgBoxResult.Yes Then
 for Each x in me.Controls
 x.Text = ""
 x.Enabled = True.

 Next

 G = 0

 Else

 End

 End If

End Sub

End Class

:3 maniesheet im VB.NET

```
public class FYBCA
Imports Student
Dim i As Integer = 0
Dim submarks(4) As Integer
Public Property calculate_marks
As Integer
Set(ByVal value As Integer)
    submarks(i) = value
    i + 1
End Set
Get
    Return submarks.sum
End Get
End Property
End Class.
```

```
public class SYBCA
Imports Student
Dim i As Integer = 0
Dim submarks(4) As Integer
Public Property calculate_marks As
Integer
Set(ByVal value As Integer)
    submarks(i) = value
    i + 1
End Set
Get
    Return submarks.sum
End Get
```

End property
End class.

```
public class TYBCA
Imports Student
Dim i As Integer = 0
Dim submarks(4) As Integer
Public Property calculate marks As
Integer
Set(ByVal value As Integer)
Submarks(i) = value
i += 1
End Set
Get
Return submarks.sum
End Get
End Property
End Class
```

```
public class student
Dim RollNo, total_marks As
Single
Dim student_name As String
Public Property roll As Integer
Set(ByVal value As Integer)
RollNo = value
End Set
Get
Return RollNo
End Get
End Property
```

```
public property marks as Integer  
set (Byval value as Integer)  
    total marks = value,  
end set
```

```
get
```

```
    return total marks  
end get  
end property
```

```
public property name as String  
set (Byval value as String)  
    studentname = value,  
end set
```

```
get
```

```
    return studentname  
end get  
end property
```

```
public function percentage (Byval i  
as Integer) as Single
```

```
    total marks = i
```

```
    return total marks / 4
```

```
end function
```

```
end class.
```

```
public class Form1
```

```
    private i as short
```

```
    private sub form1_load (sender  
as object, e as EventArgs)  
        i = myBase.Load
```

Sub 1. Visible = False.
Sub 2. Visible = False
Sub 3. Visible = False
Sub 4. Visible = False.

End Sub

Private Sub SybC4_Click (Sender As Object, e As EventArgs) Handles SybC4.Click

Changename()

SybC4.ForeColor = Color.Black

Sub1name.Text = "C Language"

Sub2name.Text = "HTML"

Sub3name.Text = "DBMS"

Sub4name.Text = "OHTML"

i = 1

End Sub

Private Sub SybC4_Click (Sender As Object, e As EventArgs) Handles SybC4.Click

Changename()

SybC4.ForeColor = Color.Black

Sub1name.Text = "C++"

Sub2name.Text = "VB.NET"

Sub3name.Text = "DBMS-2"

Sub4name.Text = "OS"

i = 4 &

End Sub

```
Private Sub Tybcy_Click (Sender As Object,  
e As EventArgs) Handles Tybcy.Click  
    Changeyear()  
    Tybcy.ForeColor = Color.Blue.  
    Sub1name.Text = "Java"  
    Sub2name.Text = "ASP.NET"  
    Sub3name.Text = "Advance Java"  
    Sub4name.Text = "Advance VB.NET"  
    i = 3  
End Sub
```

```
Sub Changeyear()  
    Sub1.Clear()  
    Sub2.Clear()  
    Sub3.Clear()  
    Sub4.Clear()  
    Sub2.Visible = True  
    Sub3.Visible = True  
    Sub4.Visible = True  
    totudisplay.Text = ""  
    persdisplay.Text = ""  
    Sub1.ForeColor = Color.White  
    Sub2.ForeColor = Color.White  
    Sub3.ForeColor = Color.White  
    Sub4.ForeColor = Color.White  
End Sub
```

```
Private Sub Button1_Click (Sender As  
Object, e As EventArgs) Handles  
dispresuit.Click  
    If i = 1 Then  
        Dim systudent As New sysbcy
```

Systudent . calculatemark = val (Sub1, text)
Systudent . calculatemark = val (Sub2, text)
Systudent . calculatemark = val (Sub3, text)
Systudent . calculatemark = val (Sub4, text)
totaldisplay . text = "Total marks : "
& Systudent . calculatemark.

Perdisplay . text = " Total marks : " &
Systudent . percentage (Systudent .
calculatemark)

• else if i = 2 Then
Dim Systudent As New SyBCA
Systudent . calculatemark = val (Sub1, text)
Systudent . calculatemark = val (Sub2, text)
Systudent . calculatemark = val (Sub3, text)
Systudent . calculatemark = val (Sub4, text)
totaldisplay . text = " Total marks : " &
Systudent . calculatemark.
perdisplay . text = " percentage : " &
Systudent . percentage (Systudent . calcu-
- lemark)

Else if i = 3 Then
Dim Systudent As New SyBCA
Systudent . calculatemark = val (Sub1, text)
Systudent . calculatemark = val (Sub2, text)
Systudent . calculatemark = val (Sub3, text)
Systudent . calculatemark = val (Sub4, text)
totaldisplay . text = " Total marks : "
& Systudent . calculatemark.
perdisplay . text = " percentage : " &

if student . percentage < student .
- curriculum)

else.

msgbox (" select your OF BCA")

end if

end sub

end class.

Q:4

Transfer duty from one list box
to another list box using button
clicking

```
Public Class Form1
Private Sub listBox1_SelectedIndexChanged(sender As Object, e As EventArgs) Handles listBox1.SelectedIndexChanged
```

```
End Sub
```

```
Private Sub button1_Click(sender As Object, e As EventArgs) Handles button1.Click,
```

```
listBox2.Items.Add(listBox1.  
SelectedItem)
```

```
listBox1.Items.Remove(listBox1.  
SelectedItem)
```

```
End Sub
```

```
Private Sub button2_Click(sender As Object, e As EventArgs) Handles button2.Click
```

```
Dim sItem = (From p In  
listBox1.SelectedItems).ToList
```

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for each selected item in sihem
listbox2.Items.Add (selecteditem)
listbox2.Items.Remove (selecteditem)
next
End sub

private sub button3-click (sender
as object, e as EventArgs)
handles button3.click.

for i as Integer = 0 to listBox1.
Items.Count - 1
listbox2.Items.Add (listbox1.
Items(i))

next
listbox1.Items.Clear()
End sub

private sub button4-click (sender
as object, e as EventArgs)
handles button4.click

for
listbox1.Items.Add (listbox2.
Selecteditem)

listbox2.Items.Remove (listbox2.
Selecteditem)

End sub

```
private sub Buttons_Click (sender  
as object, e as EventArgs)  
handles Buttons.Click
```

```
for i as integer = 0 to listBox2.  
Items.Count - 1  
listBox2.Items.Add (listBox2.  
Items(i))  
next  
listBox2.Items.Clear()  
end sub
```

```
private sub Buttons_Click (sender  
as object, e as EventArgs)  
handles Buttons.Click
```

```
dim sitem = (from p in listBox1  
.SelectedItems).ToList  
for each selecteditem in sitem  
listBox2.Items.Add (selecteditem)  
listBox2.Items.Remove (selecteditem)  
next  
end sub
```

```
end class
```



- Q : ① Create a digital clock with an EPM
② stopwatch
③ alarm (hour : min : sec AM/PM)

```
public class Form1
private sub timer1_tick ( sender
as object, e as EventArgs )
```

Handle timer1_tick.

```
label1.Text = TimeOfDay
if label1.Text = label2.Text Then
msgbox ( reason.Text )
end if
end sub
```

```
private sub set_click ( sender as
object, e as EventArgs ) handles
set.click.
```

```
label2.Text = txttime.Text
end sub
```

```
private sub bstart_click ( sender
as object, e as EventArgs )
```

handles bstart.click

timer1_start()

bstop.Enabled = true

bpause.Enabled = true

bstart.Enabled = true

vision

```
private sub bpause-click ( sender  
as object, e as EventArgs )  
handles bpause-click
```

```
timer1.stop()  
bstop.enabled = false  
bpause.enabled = false  
bstart.enabled = true
```

```
end sub
```

```
private sub bstop-click ( sender as  
object, e as EventArgs ) handles  
bstop-click
```

```
textbox1.text = label1.text +  
label5.text + label6.text +  
label4.text + label3.text
```

```
timer1.stop()  
bstop.enabled = false  
bpause.enabled = false  
bstart.enabled = true  
label1.text = "0"  
label2.text = "0"  
label3.text = "0"
```

```
end sub
```

privute sub breset - click ()

textbox1. clear ()

end sub

Q : 6 Create a Notepad Application having facility

Creating, saving, opening, formatting, Editing (use much text box)

```
Public Class Form1  
Private Sub NewToolStripMenuItem_Click(C  
ByVal sender As System.Object, ByVal  
e As System.EventArgs) Handles  
NewToolStripMenuItem.Click
```

```
MsgBox("Do you want to save  
changes? ", MsgBoxStyle.  
YesNoCancel)  
TextBox1.Text = ""  
End Sub
```

```
Private Sub NewToolStripMenuItem_Click(C  
ByVal sender As System.Object, ByVal  
e As System.EventArgs) Handles  
NewToolStripMenuItem.Click
```

```
If OpenFileDialog1.ShowDialog = Windows.Forms.  
DialogResult.OK Then
```

```
TextBox1.Text = My.Computer.  
FileSystem.ReadAllText(OpenFileDialog1.  
FileName)
```

End If

End Sub

```
private sub sauetoolstripmenyitem - click  
( Byval sender as system . object ,  
Byval e as System . EventArgs ) handles sauetoolstripmenyitem . click
```

```
if sauetoolstripmenyitem . showdialog =  
window . form . DialogResult . OK Then
```

```
my . computer . filesystem . writetext -  
text + ( savefiledialog1 . filename ,  
textbox1 . text , false )
```

```
end if  
End Sub
```

```
private sub printtoolstripmenyitem - click  
( Byval sender as system . object ,  
Byval e as System . EventArgs ) handles  
printtoolstripmenyitem . click
```

```
printdialog1 . showdialog ()  
End Sub
```

```
private sub exittoolstripmenyitem - click  
( Byval sender as system . object ,  
Byval e as System . EventArgs ) handles  
exittoolstripmenyitem . click
```

```
me . close ()  
End Sub
```

ON

```
Private Sub UndoToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles UndoToolStripMenuItem.Click
    TextBox1.Text = ""
End Sub
```

```
Private Sub CutToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles CutToolStripMenuItem.Click
    TextBox1.Cut()
End Sub
```

```
Private Sub CopyToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles CopyToolStripMenuItem.Click
    TextBox1.Copy()
End Sub
```

```
Private Sub PasteToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles PasteToolStripMenuItem.Click
    TextBox1.Paste()
End Sub
```

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

```
    TextBox1.SelectAll()  
End Sub.
```

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

```
If FontDialog1.ShowDialog = Windows.  
    Forms.DialogResult.OK Then
```

```
    TextBox1.Font = FontDialog1.Font  
End If  
End Sub.
```

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

```
If ColorDialog1.ShowDialog = Windows.  
    Forms.DialogResult.OK Then  
    TextBox1.ForeColor = ColorDialog1.  
        Color
```

```
.End If  
End Sub
```

```
private sub AboutNotePadToolStripMenuItem menuitem  
    click (Byval sender as system.object  
, Byval e as system.eventargs)  
        handle AboutNotePadToolStripMenuItem menuitem  
        click.
```

```
    msgbox ("NotePad developed by"  
        & vbcrlf & "prince tech")  
end sub
```

```
private sub TextBox1 - TextChanged (Byval  
    sender as system.object, Byval e  
    as system.eventargs) handles  
    TextBox1.TextChanged  
end sub
```

```
private sub Form2 - Load (Byval  
    sender as system.object, Byval e  
    as system.eventargs) handles  
    myBase.Load
```

Q. 7) Create a VB.NET application which maintains book information. Create following table
book_issue (issue_no, student, book_id, issue_date, return_date)

Design proper form & make necessary validation & perform insert, update & delete operation. Also generate report in datagridview of all the student who has to return book today.

Answer

```
import System.OutOfMemoryException
Public Class Form1
    Dim cn As New OleDbConnection
    Dim cmd As New OleDbCommand
    Dim adap As New OleDbDataAdapter
    Dim ds As New DataSet
    Dim str As String

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        cn = New OleDbConnection("connection")
        cn.Open()
        grid()
    End Sub
End Class
```

Solution

private sub Button1_Click (sender as object, e as EventArgs) handles Button1.Click

try

Datetimepicker1.Format = DatetimepickerFormat.Custom

Datetimepicker2.Format = DatetimepickerFormat.Custom

Datetimepicker1.CustomFormat = " dd / mm / yyyy "

Datetimepicker2.CustomFormat = " dd / mm / yyyy "

str = " insert into book-issue
values (" & val(TextBox1.Text)
& ", " & val(TextBox2.Text) & ", "
& val(TextBox3.Text) & ", "
& Datetimepicker1.Text & ", "
& Datetimepicker2.Text ")"

cmd = New OleDbCommand(str, cn)

cmd.ExecuteNonQuery()

msgbox(" record inserted ")

catch e as exception

msgbox(ex.message)

end try

end if

end sub

EN

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

Try

Datetimepicker1. Format =

Datetimepicker1. Format . Custom

Datetimepicker2. Format = Datetime -
picker1. Format . Custom

Datetimepicker1. CustomFormat =
" dd / mm / yyyy "

Datetimepicker2. CustomFormat =
" dd / mm / yyyy "

str = " update book-issue set
ino = " & val (TextBox1, TextBox2) &
" , bid = " & val (TextBox3, TextBox4) &
" , idate = " & Datetime -
picker2. Text " , rdate =
" & Datetimepicker2. Text " "
where ino = " & val (TextBox5,
TextBox6)

cmd = New OleDbCommand (str, cn)

cmd. executeNonQuery ()

msgbox (" Record Updated ")

Catch e As exception
msgbox (e, message)

End Try

grid ()
end sub

private sub Buttons_Click (sender as object, e as EventArgs) handle
Buttons.Click

try

Dim ino as integer = InputBox
("enter issue-no")
str = "delete from book-issue
where ino = " & ino
cmd = New OleDbCommand(str, cn)
cmd.ExecuteNonQuery()
msgbox ("Record Deleted")

catch e as exception
msgbox (e.message)

end try
grid ()
end sub

public sub grid ()
ds. Clear()

try
str = "select * from book-issue
adap = New OleDbDataAdapter(str, cn)
adap.Fill(ds)
datagridview1.DataSource =
ds.Tables(0).DefaultView.

```
    catch e as exception  
        msgbox (e.message)  
    end try  
    grid c)  
end sub
```

```
private sub button4_click (sender as object, e as EventArgs) handles button4.click.
```

```
try
```

```
    dim regdate as date =  
        date.now()  
    ds.create (true)
```

```
    str = "select * from book-issue  
    where rdate = " & regdatestring  
        (" dd/mm/yyyy") & ""  
    adap = New OleDbDataAdapter (str,  
        cn)
```

```
    adap.fill (ds)
```

```
    datagridview1.datasource = ds.tables(0)  
    , Data1.DefaultView
```

```
    catch e as exception  
        msgbox (e.message)
```

```
    end try  
end sub
```

Q8 Create VB.NET application to maintain Company employee information Create following table.

Emp (emp_no , empname , city , doj , dept , salary) design proper form & make necessary validation provide insert , update & delete facility for above table . ALSO provide search facility on emp_no generate report in datagridview to view detail of those emp. who work in sales dept & salary is less than 10,000.

Answer

```
Imports System.Data.OleDb  
Public Class Form1  
    Dim cn As New OleDbConnection  
    Dim cmd As New OleDbCommand  
    Dim adap As New OleDbDataAdapter  
    Dim ds As New DataSet  
    Dim str As String
```

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

```
    cn = New OleDbConnection(ConnectionStringPath)  
    cn.Open()
```

sion

grid ()
End sub

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

Try

Datetimepicker1.Format = DateTime -> Picker.Format + Custom

Datetimepicker1.CustomFormat = " dd/mm/yyyy"

Str = " insert into emp values
(" & Val (TextBox1.Text) & ", "
& Val (TextBox2.Text) & ", "
& TextBox3.Text & ", "
& ComboBox1.Text & ", "
& Val (TextBox4.Text) & ", "
& Datetimepicker1.Text & ")"

cmd = New OleDbCommand (Str, cn)

cmd.ExecuteNonQuery()

msgbox (" Record inserted ")

Catch e As Exception
msgbox (e.Message)

End Try
grid ()
End Sub.

SION

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

Try

```
Dim emo As Integer = InputBox  
( " enter the emp no " )
```

```
str = " delete from emp where  
emo = ? " & "
```

```
cmd = New OleDbCommand ( str, cn )  
cmd . ExecuteNonQuery ()  
msgbox ( " Record Deleted " )
```

```
Catch e As Exception  
msgbox ( e . message )
```

```
End Try
```

```
End Sub
```

Private Sub Button2_Click (sender
As object , e As EventArgs)
Handles Button2.Click

Try

```
Datetimepicker1 . Format = DateTime  
Format . Custom
```

```
Datetimepicker1 . CustomFormat  
= " dd / mm / yyyy "
```

OK

```
str = "update emp set ename =  
      & textbox1.text & ", city =  
      & textbox3.text & ", city =  
      & combobox1.text & ", dob =  
      & datetimepicker1.text &"  
      where empno = " & val(textbox2.  
      text) & "
```

```
cmd = New OleDbCommand(str, cn)
```

```
cmd.ExecuteNonQuery()
```

```
msgbox ("Record Updated")
```

```
catch e as exception
```

```
msgbox (e.message)
```

```
end try
```

```
cmd()
```

```
end sub
```

```
private sub button4_click (sender
```

```
as object, e as EventArgs)
```

```
handles button4.click.
```

```
try
```

```
dim empno as integer = inputbox  
("enter the emp no")
```

```
str = "select * from emp  
where empno = " & empno & "
```

```
ds.clear()
```

```
adap = New OleDbDataAdapter (
```

```
str, cn)
```

```
adap.fill (ds)
```

DataGridview1. DataSource = ds.Tables(0)

• DefaultView

catch e As Exception

msgbox (e. message)

End Try
grid()
End Sub

Private Sub Buttons_Click (Sender
As Object, e As EventArgs)
Handles buttons.Click

Try

str = "SELECT * FROM emp
WHERE dept = " & "Sales"
& " AND salary > 10000

cdu = New OleDbDataAdapter(str, cn)
cdu.Fill(ds)

DataGridview1. DataSource = ds.Tables(0)
, DefaultView

• catch e As Exception

msg

End Try

End Sub

public sub grid ()

try

ds = create()

str = "select * from emp"

adap = new OleDbOdbcAdapter(str, cm)

adap.fill(ds)

Datagridview1.DataSource = ds.
table(0).DefaultView

catch e As Exception

msgbox(e.message)

end try

end sub

Q : 9

Create VB.NET application to maintain vehicle services info. Create a following table.

VehicleServices (sno, VNo, Attend
(yes/no), TypeOfJob (services/
color / access), JobDescription,
Entry Date, Delivery Date)

Design proper form & make necessary validation. Provide insert, update
. Delete facility for above table
. Generate report in datagridview
to view vehicle of those vehicle which are not attended
& have to be colored.

ANSWER

import System. Data. OLEDB
public class form1

```
Dim cm As New OleDbConnection  
Dim cmd As New OleDbCommand  
Dim adap As New OleDbDataAdapter  
Dim ds As New DataSet  
Dim str As String  
Dim attend As String
```

vision

```
private sub button1_Click ( sender As  
Object , e As EventArgs ) handles  
button1.Click
```

```
    if textBox1.Text = Nothing Then  
        msgbox ("Please enter service No")  
        return
```

```
    else if textBox2.Text = Nothing Then  
        msgbox ("Please enter vehicle No")  
        return
```

```
    else if comboBox1.Text = Nothing
```

```
    Then
```

```
        msgbox ("Please select job")  
        return
```

```
    end if
```

```
try
```

```
    if RadioButton1.Checked Then  
        attend = RadioButton1.Text
```

```
    else
```

```
        attend = RadioButton2.Text
```

```
    end if
```

```
    datetimepicker1.Format = DateTime -  
    > picker.Format = custom
```

```
    datetimepicker2.CustomFormat =  
    " dd | mm | yyyy "
```

```
    datetimepicker3.Format = DateTime -  
    > picker.Format = custom
```

```
    datetimepicker4.CustomFormat =  
    " dd | mm | yyyy "
```

```
sick
```

```

STR = "insert into uservice values
      ('" & txt1 (TextBox1.Text) &
       ",'" & TextBox2.Text &
       "','" & txt3 (ComboBox1.Text) &
       "','" & txt4 (DateTimePicker2.Text) &
       "','" & DateTimePicker1.Text & ")"
    
```

`cmd = new OpenCommand(str, m)`

Cmd . Execute non query ()

msgbox (e.g. "Record inserted")

catch e as exception

`msgbox (e, message)`

end try

grid (\rightarrow)

-end sub

private sub Button2_Click (sender as object , e as EventArgs) handles . Button2.Click

```
-if TextBox1.Text = nothing then  
    msgbox ("please enter a value")  
    Return
```

```
elseif TextBox2.Text = Nothing Then  
    MsgBox ("Please enter uno")  
    Return
```

elseif comboBox2.Text = Nothing Then

ON | end of msgbox ("please select Job")

TRY

if RadioButton1.Checked Then

attend = RadioButton1.Text

else

attend = RadioButton2.Text

end if

Datetimepicker1.Format = DateTime-

-Picker.Format = Custom

Datetimepicker2.CustomFormat =

" dd / mm / yyyy "

Datetimepicker3.Format = DateTime -

-Picker.Format = Custom

Datetimepicker4.CustomFormat =

" dd / mm / yyyy "

str = " Update uservice set sno =

" & TextBox2.Text & ", attend =

" & attend & ", job = " &

comboBox1.Text & ",

edate = " & Datetimepicker1.

.Text & ", ddate = " &

Datetimepicker2.Text & "

where sno = " & val(TextBox1.

.Text) & "

& Cmd > New OleDbCommand(str, cmd)

.Cmd.ExecuteNonQuery()

.MsgBox ("Record updated")

```
    catch e as exception  
        msgbox (e.message)
```

```
    end try  
end sub
```

```
private sub button3-click (sender as object, e as EventArgs) handles button3.click
```

```
try
```

```
    dim sno as integer  
    str = " delete from vservice  
           where sno = " & sno & "
```

```
    cmd = new OleDbCommand(str, cn)  
    cmd.ExecuteNonQuery()  
    msgbox ("Record Deleted")
```

```
    catch e as exception  
        msgbox (e.message)
```

```
    end try  
end sub
```

```
private sub button4-click (sender as object, e as EventArgs) handles button4.click
```

```
try  
    ds.clear()
```

str = "Select * from uservice
where attend = "No" and
job = "color"
adup = New oleohouryAdapter
(str, n)

adup.fill(ds)

Datagridview1.DataSource = ds;
tabler = DetaultView;

catch e as exception
msgbox (e.message)

End Try
End Sub

Q : 10 Develop student exam reporting system with necessary navigation. Design proper forms with necessary validation. generate report & return for valid Student list which are enrolled for exam.

answer

```
import System.Data.OleDb  
public class Form1  
    Dim cn As New OleDbConnection  
    Dim cmd As New OleDbCommand  
    Dim adap As New OleDbOdbcAdapter  
    Dim ds As New DataSet  
    Dim Cnt As Integer = 0  
    Dim str As String  
  
private sub form1_Load (sender as object, e as EventArgs) handle  
myBase.Load  
  
    cn = New OleDbConnection ("connection  
path")  
    cn.Open()  
  
end sub  
  
private sub button1_Click (sender as object, e as EventArgs) handle  
button1.Click
```

VISION

Try

cmt = 0

grid()

TextBox1.Text = ds.Tables(0).

Rows(0).Item(0).

TextBox2.Text = ds.Tables(0).

Rows(0).Item(1)

IF ds.Tables(0).Rows(0).

Item(2) > ToString("yes")

Then

RadioButton2.Checked = True

Else

RadioButton1.Checked = true

End If

Catch e As Exception
msgbox(e.message)

End Try

End Sub

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

Try

grid()

cmt = ds.Tables(0).Rows(0).

Count - 1

TextBox1.Text = ds.Tables(0).
Rows(Cnt).Item(0).ToString
TextBox2.Text = ds.Tables(0).
Rows(Cnt).Item(1).
ToString

If ds.Tables(0).Rows(Cnt).
Item(2).ToString = "Yes".
Then

RadioButton1.Checked = True.

Else

RadioButton2.Checked = True
End If

Catch e As Exception

MsgBox(e.Message)

End Try

End Sub

Private Sub Buttons_Click(sender As
Object, e As EventArgs) Handles
Buttons.Click,

Try

If TextBox1.Text = Nothing Then
MsgBox("Please enter em")
Return

Ast Else If TextBox2.Text =

Nothing Then

MsgBox("Please enter name")
Return

End If

```
if RadioButton1.Checked Then  
    enrolled = RadioButton1.Checked  
else  
    enrolled = RadioButton2.Checked  
end if
```

```
Str = "insert into stud values ("  
& Val(TextBox1.Text) & ",  
& TextBox2.Text & ",  
enrolled & ")"  
cmd = New OleDbCommand(Str, cn)  
cmd.ExecuteNonQuery()  
msgbox ("Record inserted")
```

```
catch e as exception  
msgbox (e.message)
```

```
end try  
end sub
```

```
private sub Button7_Click (sender  
as object, e as EventArgs)  
handles Button7.Click
```

```
try  
if TextBox1.Text = Nothing Then  
    msgbox ("please enter sno")  
else if TextBox2.Text = Nothing Then  
    msgbox ("please enter name")  
return  
end if
```

ON

if RadioButtons = Checked Then
enrolled = RadioButtons.Value

Else

enrolled = "RadioButtons.Value"

End If

Str = "Update Staff Set Name = ?"
NextBox.Text & ? + " And Enrolled = ?"
& enrolled & ? Where
Col1No = ? From TextBox1.Text

Cmd = New OleDbCommand(Str, Conn)

Cmd.ExecuteNonQuery()

MsgBox("Record Updated")

Catch e As Exception

MsgBox(e.Message)

End Try

End Sub

Private Sub Buttons_Click(sender As Object, e As EventArgs) Handles Buttons.Click

Buttons.Click,

Try

Dim rno As Integer

Str = "Delete From Staff"
& "Where Col1No = ?" & rno

Cmd = New OleDbCommand(Str, Conn)

Cmd.ExecuteNonQuery()

MsgBox("Record Deleted")

isOn

catch e as exception
msgbox (e.message)

end try
end sub

private sub button5_click (sender as object , e as EventArgs) handle
button5.click .

try
grid ()
datagridview1.datasource = ds .
tables (0) . defaultview
catch e as exception
msgbox (e.message)
end try
end sub

private sub button12_click (sender as object , e as EventArgs) handle
button12.click

try
grid ()
if count = 0 then
count = ds.tables (0) . rows .
count - 1
else
count - = 1
end if

```
text+box1. text = ds.Tables(0).Rows  
(Cn+) - Item(0).ToString  
text+box2. text = ds.Tables(0).Rows  
(Cn+).Item(1).ToString
```

```
if ds.Tables(0).Item(2).ToString  
> "yes" Then
```

```
RadioButton1.Checked = true
```

```
else
```

```
RadioButton2.Checked = true
```

```
end if
```

```
catch e as exception  
msgbox(e.message)
```

```
end try
```

```
end sub
```

```
project sub Buttons_Click(sender as  
Object, e as EventArgs) handle  
Buttons.Click,
```

```
try
```

```
grid1()
```

```
if Cn+ = ds.Tables(0).Rows.  
Count - 1 Then
```

```
Cn+ = 0
```

```
else
```

```
Cn+ + = 1
```

```
end if
```

TEXTBOX1.TEXT = ds.Tables(0).
Rows(n+1).Item(0).ToString
TEXTBOX2.TEXT = ds.Tables(0).
Rows(n+1).Item(1).ToString

IF ds.Tables(0).Rows(n+1).
Item(0).ToString = "yes"
Then

RadioButton1.Checked = True,
Else

RadioButton2.Checked = True
End If

Catch e As exception
MsgBox(e.Message)

End Try
End Sub

Sub grid()

ds.Fill()

str = "SELECT * FROM STUDENT"

adap = New OleDbDataAdapter(str, cn)

adap.Fill(ds)

End Sub

End Class

ision