

## INDEX

Sr.No	Program Name	Sign
1	<p>Create VB.NET application to maintain Employee Information.</p> <p>Create following table :</p> <p>emp1(eno,ename,gender,salary,date_of_joining,department)</p> <p>Design proper form and make necessary validation.</p> <p>Provide insert, update and delete facility for above table.</p> <p>Provide Navigation facility.</p> <p>Generate report in DataGridView.</p>	

eno	ename	gender	salary	doj	department
1	Mitali	Female	25000	01-Jan-09	Marketing
2	Hitesh	Male	10000	29-Jan-02	Marketing
3	Dax	Male	10000	01-May-02	Purchase
4	Disha	Female	10200	01-Nov-02	Marketing
5	Janvi	Female	40000	30-Nov-05	Purchase
6	Kalika	Female	60000	01-Jan-09	Marketing
7	Kiran	Male	60000	10-Jan-02	Marketing
8	Kinjal	Female	60000	20-Jan-02	Finance

## Import namespace for sqlclient

```
Imports System.Data
```

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

```
Public Class Form1
```

## Declare All Variable

```
Dim con As New SqlConnection
```

```
Dim cmd As New SqlCommand
```

```
Dim cmdstr As String
```

```
Dim constr As String = "Data
```

```
Source=(LocalDB)\v11.0;AttachDbFilename=D:\VB.NET PRACTICAL\TestConnectionEmp-1\TestConnectionEmp-1\Database1.mdf;Integrated Security=True"
```

```
Dim adp As New SqlDataAdapter
```

```
Dim gender As String
```

```
Dim ds As DataSet
```

```
Dim i, maxrow, inc As Integer
```

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

```
fillgrid()
```

```
End Sub
```

## **'Save Button Click Event**

```
Private Sub btnsave_Click(sender As Object, e As EventArgs) Handles btnsave.Click
    Try
        If txtename.Text = "" Or txtsalary.Text = "" Or (rdbFemale.Checked =
False And rdbMale.Checked = False) Then
            MsgBox("Insert Proper Data", MsgBoxStyle.Information,
"Information")
        Else
            If rdbMale.Checked = True Then
                gender = rdbMale.Text
            Else
                gender = rdbFemale.Text
            End If
            con = New SqlConnection(constr)
            con.Open()
            cmdstr = "insert into emp1 values(" + txteno.Text + ", '" +
txtename.Text + "', '" + gender + "', " + txtsalary.Text + ", '" +
DateTimePicker1.Value.Date + "', '" + ddldept.Text + "')"
            cmd = New SqlCommand(cmdstr, con)
            cmd.ExecuteNonQuery()
            con.Close()
            fillgrid()
            MsgBox("Record insert successfully")
            clearall()
        End If
    Catch ex As Exception
        MsgBox(ex.Message.ToString())
    End Try
End Sub
```

---

## **'To clear all text**

```
Private Sub clearall()
    txteno.Clear()
    txtename.Clear()
    txtsalary.Clear()
End Sub
```

---

## **fillgrid() Method**

```
Private Sub fillgrid()
    con = New SqlConnection(constr)
    con.Open()
    cmdstr = "select * from emp1"
    cmd = New SqlCommand(cmdstr, con)
    cmd.ExecuteScalar()
    con.Close()
    adp = New SqlDataAdapter(cmd)
    Dim tbl As New DataTable
    adp.Fill(tbl)
    DataGridView1.DataSource = tbl
End Sub
```

---

## **DataGridView1\_CellClick Event**

```
Private Sub DataGridView1_CellClick(sender As Object, e As
DataGridViewCellEventArgs) Handles DataGridView1.CellClick
    Dim i As Integer
    Try
        i = DataGridView1.CurrentRow.Index
        txteno.Text = DataGridView1.Item(0, i).Value
        txtename.Text = DataGridView1.Item(1, i).Value
        If DataGridView1.Item(2, i).Value = "Male" Then
            rdbMale.Checked = True
        Else
            rdbFemale.Checked = True
        End If
        txtsalary.Text = DataGridView1.Item(3, i).Value
        DateTimePicker1.Value = DataGridView1.Item(4, i).Value
        ddldept.Text = DataGridView1.Item(5, i).Value
    Catch ex As Exception
        MsgBox(ex.Message.ToString())
    End Try
End Sub
```

---

## **Update Button Click Event**

```
Private Sub btnupdate_Click(sender As Object, e As EventArgs) Handles
btnupdate.Click
    Try
        If rdbMale.Checked = True Then
            gender = rdbMale.Text
        Else
            gender = rdbFemale.Text
        End If
        con = New SqlConnection(constr)
        con.Open()
        ' Update emp1 set eno=1,ename='mmmm' where eno=1
        cmdstr = "update emp1 set eno=" + txteno.Text + ",ename='" +
txtename.Text + "',gender='" + gender + "',salary=" + txtsalary.Text + ",doj='"
+ DateTimePicker1.Value.Date + "',department='" + ddldept.Text + "'where eno=" +
txteno.Text + ""
        cmd = New SqlCommand(cmdstr, con)
        cmd.ExecuteNonQuery()
        con.Close()
        fillgrid()
        MsgBox("Record updated successfully")
        txteno.Clear()
        txtename.Clear()
        txtsalary.Clear()
    Catch ex As Exception
        MsgBox(ex.Message.ToString())
    End Try
End Sub
```

---

## **Delete Button Click Event**

```
Private Sub btndalete_Click(sender As Object, e As EventArgs) Handles  
btndalete.Click  
    Try  
        con = New SqlConnection(constr)  
        con.Open()  
        cmdstr = "delete from emp1 where eno=" + txteno.Text + ""  
        cmd = New SqlCommand(cmdstr, con)  
        cmd.ExecuteNonQuery()  
        con.Close()  
        fillgrid()  
        MsgBox("Record deleted successfully")  
        clearall()  
    Catch ex As Exception  
        MsgBox(ex.Message.ToString())  
    End Try  
End Sub
```

---

## **Report Button Click Event**

```
Private Sub btnreport_Click(sender As Object, e As EventArgs) Handles btnsearch.Click  
    Try  
        con = New SqlConnection(constr)  
        con.Open()  
        cmdstr = "select * from emp1 where salary>=25000"  
        cmd = New SqlCommand(cmdstr, con)  
        cmd.ExecuteScalar()  
        con.Close()  
        adp = New SqlDataAdapter(cmd)  
        Dim tbl As New DataTable  
        adp.Fill(tbl)  
        DataGridView1.DataSource = tbl  
    Catch ex As Exception  
        MsgBox(ex.Message.ToString())  
    End Try  
End Sub
```

---

## **Show All Reocord Button Click Event**

```
Private Sub btnShowAll_Click(sender As Object, e As EventArgs) Handles  
btnShowAll.Click  
    Try  
        con = New SqlConnection(constr)  
        con.Open()  
        cmdstr = "select * from emp1"  
        cmd = New SqlCommand(cmdstr, con)  
        cmd.ExecuteScalar()  
        con.Close()  
        adp = New SqlDataAdapter(cmd)  
        Dim tbl As New DataTable  
        adp.Fill(tbl)  
        DataGridView1.DataSource = tbl  
    Catch ex As Exception  
        MsgBox(ex.Message.ToString())  
    End Try  
End Sub
```

---

## **NavigateRecords()Method**

```
Private Sub NavigateRecords()  
    Try  
        If ds.Tables("emp1").Rows.Count > 0 Then  
            With ds.Tables("emp1").Rows(inc)  
                txteno.Text = .Item(0)  
                txtename.Text = .Item(1)  
            End With  
        End If  
    Catch ex As Exception  
        MsgBox(ex.Message, MsgBoxStyle.Critical, "Error")  
    End Try  
End Sub
```

---

## **Next Button click Event (Move to Next Record)**

```
Private Sub btnnext_Click(sender As Object, e As EventArgs) Handles  
btnnext.Click  
    If inc = maxrow - 1 Then  
        MsgBox("This is Last Record")  
    Else  
        inc = inc + 1  
        NavigateRecords()  
    End If  
End Sub
```

---

## **Previous Button click Event (Move to Prevoius Record)**

```
Private Sub btnprev_Click(sender As Object, e As EventArgs) Handles btnprev.Click  
    If inc = 0 Then  
        MsgBox("This is First Record")  
    Else  
        inc = inc - 1  
        NavigateRecords()  
    End If  
End Sub
```

---

## **Last Button click Event (Move to Last Record)**

```
Private Sub btnLast_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)  
Handles btnLast.Click  
    If inc < 0 Then  
        MsgBox("Empty DataSet")  
    Else  
        inc = maxRow - 1  
        NavigateRecords()  
    End If  
End Sub
```

---

## **First Button click Event (Move to First Record)**

```
Private Sub btnFrist_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)  
Handles btnFrist.Click  
    If inc < 0 Then  
        MsgBox("Empty DataSet")  
    Else  
        inc = 0  
        NavigateRecords()  
    End If  
End Sub  
End Class
```

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