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Imports MySql.Data.MySqlClient
Imports System.IO
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Public Class FrmMst
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Private Sub 終了XToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles 終了
    ToolStripMenuItem.Click
End Sub
```

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Private Sub マスター表示ToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles マスター表示ToolStripMenuItem.Click
    Dim Cn As New MySql.Data.MySqlClient.MySqlConnection
    Dim SQL As MySql.Data.MySqlClient.MySqlCommand
    Dim dr As MySql.Data.MySqlClient.MySqlDataReader
    '
    Dim s As String
    '
    s = "server=localhost:user ID=hanbai;password=password;database=tanpin;"
    Cn.ConnectionString = s
    SQL = Cn.CreateCommand
    SQL.CommandText = "select * from syotbl where grpcode=4"

    Cn.Open()
    dr = SQL.ExecuteReader()

    ListBox1.Items.Clear()
    While (dr.Read())
        ListBox1.Items.Add(dr("tancode") & " " & dr("grpcode") & " " & dr("bmncode") & " " & dr("kancode") & _
            " " & dr("syoname") & " " & dr("vdrcode") & " " & dr("genka") & " " & dr("baika") & " " & dr("yyyymmdd"))
    End While
    '
    Cn.Close()
    SQL.Dispose()
    Cn.Dispose()
End Sub
```

```
Private Sub コマンドテストToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles コマンドテストToolStripMenuItem.Click
    Dim sqlCont As New MySql.Data.MySqlClient.MySqlConnection 'SQL接続
    Dim sqlCMDS As MySql.Data.MySqlClient.MySqlCommand 'コマンド
    Dim sqlCMDU As MySql.Data.MySqlClient.MySqlCommand 'コマンド
    Dim sqlCMDI As MySql.Data.MySqlClient.MySqlCommand 'コマンド
    Dim sqlDr As MySql.Data.MySqlClient.MySqlDataReader 'データリーダー
    Dim MyconString As String = "server=localhost:user id=hanbai;password=password;database=tanpin;"

    Dim I As Long, J1 As Long, J2 As Long 'カウンター
    Dim IIT As DateTime, IIE As DateTime
    Dim lifile As StreamReader '入力ファイル
    Dim linstr As String, lidata() As String
    '
    IIT = Now()
    '接続文字列を設定
    sqlCont.ConnectionString = MyconString
    lifile = File.OpenText("d:\nettest\Projects\mstset\mstmnt.txt")
    Try
        'MAK Select command
        sqlCMDS = sqlCont.CreateCommand
        sqlCMDS.CommandText = "select tancode from syotbl where tancode = ?tancode"
        Dim MySParm = sqlCMDS.Parameters.Add("?tancode", MySqlDbType.VarChar, 13)

        'Mak Update command
        sqlCMDU = sqlCont.CreateCommand
        sqlCMDU.CommandText = "UPDATE syotbl SET grpcode = ?grpcode, bmncode = ?bmncode, kancode = ?kancode" & _
            ", syoname = ?syoname, vdrcode = ?vdrcode, genka = ?genka, baika = ?baika" & _
            ", yyyymmdd = ?yyyymmdd, kubun = ?kubun " & _
            " WHERE tancode = ?tancode"
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sqlCMDU.Parameters.Add(New MySqlParameter("?tancode", MySqlDbType.VarChar))
sqlCMDU.Parameters.Add(New MySqlParameter("?grpcode", MySqlDbType.UInt16))
sqlCMDU.Parameters.Add(New MySqlParameter("?bmncode", MySqlDbType.UInt32))
sqlCMDU.Parameters.Add(New MySqlParameter("?kancode", MySqlDbType.VarChar))
sqlCMDU.Parameters.Add(New MySqlParameter("?syoname", MySqlDbType.VarChar))
sqlCMDU.Parameters.Add(New MySqlParameter("?vdrcode", MySqlDbType.UInt32))
sqlCMDU.Parameters.Add(New MySqlParameter("?genka", MySqlDbType.Decimal))
sqlCMDU.Parameters.Add(New MySqlParameter("?baika", MySqlDbType.Decimal))
sqlCMDU.Parameters.Add(New MySqlParameter("?yyyymmdd", MySqlDbType.Decimal))
sqlCMDU.Parameters.Add(New MySqlParameter("?kubun", MySqlDbType.UInt16))
'Mak Insert command
sqlCMDI = sqlCont.CreateCommand
sqlCMDI.CommandText = "INSERT INTO syotbl (tancode, grpcode, bmncode, kancode, syoname, vdrcode, genka,
baika, yyyymmdd, kubun)" & _
" VALUES (?tancode, ?grpcode, ?bmncode, ?kancode, ?syoname, ?vdrcode, ?genka, ?
baika, ?yyyymmdd, ?kubun)"
sqlCMDI.Parameters.Add(New MySqlParameter("?tancode", MySqlDbType.VarChar))
sqlCMDI.Parameters.Add(New MySqlParameter("?grpcode", MySqlDbType.UInt16))
sqlCMDI.Parameters.Add(New MySqlParameter("?bmncode", MySqlDbType.UInt32))
sqlCMDI.Parameters.Add(New MySqlParameter("?kancode", MySqlDbType.VarChar))
sqlCMDI.Parameters.Add(New MySqlParameter("?syoname", MySqlDbType.VarChar))
sqlCMDI.Parameters.Add(New MySqlParameter("?vdrcode", MySqlDbType.UInt32))
sqlCMDI.Parameters.Add(New MySqlParameter("?genka", MySqlDbType.Decimal))
sqlCMDI.Parameters.Add(New MySqlParameter("?baika", MySqlDbType.Decimal))
sqlCMDI.Parameters.Add(New MySqlParameter("?yyyymmdd", MySqlDbType.Decimal))
sqlCMDI.Parameters.Add(New MySqlParameter("?kubun", MySqlDbType.UInt16))
'ここからデータ読み込み
While lifile.Peek > -1
    linstr = lifile.ReadLine
    lidata = Split(linstr, ",")
    '
    Try
        '接続を作成して
        sqlCont.Open()
        'パラメータ値を指定して
        MySParm.Value = Trim(lidata(0))
        '検索結果を確認する。
        sqlDr = sqlCMDs.ExecuteReader
        i = 0
        While (sqlDr.Read())
            i = i + 1
        End While
        sqlCont.Close()
        '接続を作成して
        sqlCont.Open()
        Select Case i
            Case 0
                sqlCMDI.Parameters("?tancode").Value = Trim(lidata(0))
                sqlCMDI.Parameters("?grpcode").Value = lidata(1)
                sqlCMDI.Parameters("?bmncode").Value = lidata(2)
                sqlCMDI.Parameters("?kancode").Value = lidata(3)
                sqlCMDI.Parameters("?syoname").Value = Trim(lidata(4))
                sqlCMDI.Parameters("?vdrcode").Value = lidata(5)
                sqlCMDI.Parameters("?genka").Value = lidata(6)
                sqlCMDI.Parameters("?baika").Value = lidata(7)
                sqlCMDI.Parameters("?yyyymmdd").Value = lidata(8)
                sqlCMDI.Parameters("?kubun").Value = lidata(9)
                '内容を追加します。
                sqlCMDI.ExecuteNonQuery()
                J1 = J1 + 1
            Case Else
                sqlCMDU.Parameters("?tancode").Value = Trim(lidata(0))
                sqlCMDU.Parameters("?grpcode").Value = lidata(1)
                sqlCMDU.Parameters("?bmncode").Value = lidata(2)
                sqlCMDU.Parameters("?kancode").Value = lidata(3)
                sqlCMDU.Parameters("?syoname").Value = Trim(lidata(4))
                sqlCMDU.Parameters("?vdrcode").Value = lidata(5)

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        sqlCommandU.Parameters(""?genka").Value = lidata(6)
        sqlCommandU.Parameters(""?baika").Value = lidata(7)
        sqlCommandU.Parameters(""?yyyymmdd").Value = lidata(8)
        sqlCommandU.Parameters(""?kubun").Value = lidata(9)
        ' 内容を更新します。
        sqlCommandU.ExecuteNonQuery()
        J2 = J2 + 1
    End Select
Catch ex As MySqlException
    MessageBox.Show(ex.Message)
Finally
    sqlCont.Close()
End Try
End While
' データ読み込みここまで
Catch ex As MySqlException
    MessageBox.Show(ex.Message)
Finally
    lifile.Close()
End Try
'
IIE = Now
MessageBox.Show("開始=" & IIT & " 最終=" & IIE & " 追加=" & Str(J1) & "件更新=" & Str(J2) & "件")
End Sub

```

Private Sub 自動生成ToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles 自動生成ToolStripMenuItem.Click

```

Dim sqlDA As MySql.Data.MySqlClient.MySqlDataAdapter ' データアダプタ作成
Dim sqlCommandBldr As MySqlCommandBuilder ' SQLコマンド作成
Dim resultDS As DataSet ' データセットオブジェクト
Dim oDR As DataRow ' データオブジェクト
Dim MyconString As String ' MySQL接続文字列

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Dim J1 As Long, J2 As Long ' カウンター
Dim IIT As DateTime, IIE As DateTime, I12 As DateTime
Dim lifile As StreamReader ' 入力ファイル
Dim linstr As String, lidata() As String
'

```

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IIT = Now()
' DataAdapterオブジェクトの作成
sqlDA = New MySql.Data.MySqlClient.MySqlDataAdapter
' DataSetオブジェクトの作成
resultDS = New DataSet()
' MySQL接続文字列
MyconString = "server=localhost;user id=hanbai;password=password;database=tanpin;"
lifile = File.OpenText("d:\nettest\Projects\mstset\mstmnt.txt")

```

Try

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' 接続を作成します
sqlDA.SelectCommand = New MySqlCommand()
sqlDA.SelectCommand.CommandType = CommandType.Text
sqlDA.SelectCommand.CommandText = "select * from syotbl"
sqlDA.SelectCommand.Connection = New MySqlConnection(MyconString)
' スキーマ情報をDatasetに追加する
sqlDA.MissingSchemaAction = MissingSchemaAction.AddWithKey
' 検索結果を確認する。
sqlDA.Fill(resultDS, "syotbl")
I12 = Now() ' DATASET作成済時間

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While lifile.Peek > -1
    linstr = lifile.ReadLine
    lidata = Split(linstr, ",")

```

Try

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oDR = resultDS.Tables("syotbl").Rows.Find(Trim(lidata(0)))
If oDR Is Nothing Then
    oDR = resultDS.Tables("syotbl").NewRow()

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oDR("tancode") = Trim(lidata(0))
oDR("grpcode") = lidata(1)
oDR("bmncode") = lidata(2)
oDR("kancode") = lidata(3)
oDR("syoname") = Trim(lidata(4))
oDR("vdrcode") = lidata(5)
oDR("genka") = lidata(6)
oDR("baika") = lidata(7)
oDR("yyyymmdd") = lidata(8)
oDR("kubun") = lidata(9)
resultDS.Tables("syotbl").Rows.Add(oDR)
J1 = J1 + 1
Else
' テーブル"syotbl"の先頭値に対する更新処理
oDR("tancode") = Trim(lidata(0))
oDR("grpcode") = lidata(1)
oDR("bmncode") = lidata(2)
oDR("kancode") = lidata(3)
oDR("syoname") = Trim(lidata(4))
oDR("vdrcode") = lidata(5)
oDR("genka") = lidata(6)
oDR("baika") = lidata(7)
oDR("yyyymmdd") = lidata(8)
oDR("kubun") = lidata(9)
J2 = J2 + 1
End If
Catch ex As MySqlException
    MessageBox.Show(ex.Message)
End Try
End While
' データ処理が終わったら元テーブルを更新
Try
' Update文の自動実行のためにCommandBuilderオブジェクトを作成する
sqlCmdBldr = New MySqlCommandBuilder(sqlDA)
' DataSetに対する更新結果をDBに反映
sqlDA.Update(resultDS, "syotbl")
' MessageBox.Show("レコードは更新されました")
Catch ex As MySqlException
    MessageBox.Show(ex.Message)
End Try

Catch ex As MySqlException
    MessageBox.Show(ex.Message)
Finally
    lifile.Close()
End Try
'
IIE = Now

MessageBox.Show("開始=" & IIT & " 中間=" & I12 & " 最終=" & IIE & " 追加=" & Str(J1) & "件更新=" & Str(J2) &
"件")
End Sub

Private Sub 取込テストToolStripMenuItem_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
取込テストToolStripMenuItem.Click
    Dim sqlDA As MySql.Data.MySqlClient.MySqlDataAdapter ' データアダプタ作成
    Dim sqlCmdBldr As MySqlCommandBuilder ' SQLコマンド作成
    Dim resultDS As DataSet ' データセットオブジェクト
    Dim oDR As DataRow ' データオブジェクト
    Dim MyconString As String ' MySQL接続文字列

    Dim J1 As Long, J2 As Long ' カウンター
    Dim IIT As DateTime, IIE As DateTime, I12 As DateTime, I13 As DateTime
    Dim lifile As StreamReader ' 入力ファイル
    Dim linstr As String, lidata() As String
    '
    IIT = Now()

```

'DataAdapterオブジェクトの作成

sqlDA = New MySql.Data.MySqlClient.MySqlDataAdapter

'DataSetオブジェクトの作成

resultDS = New DataSet()

'MySQL接続文字列

MyconString = "server=localhost;user id=hanbai;password=password;database=tanpin;"

lifile = File.OpenText("d:\nettest\Projects\mstset\mstmnt.txt")

Call DtCLR() 'DB初期化

Call Dtset() 'DBセット

l13 = Now()

Try

'接続を作成します

sqlDA.SelectCommand = New MySqlCommand()

sqlDA.SelectCommand.CommandType = CommandType.Text

sqlDA.SelectCommand.CommandText = "SELECT syotbl.* FROM wktbl INNER JOIN syotbl ON wktbl.tancode = syotbl.tancode;"

sqlDA.SelectCommand.Connection = New MySqlConnection(MyconString)

'検索結果を確認する。

sqlDA.Fill(resultDS, "syotbl")

'=====主キーを設定

resultDS.Tables("syotbl").PrimaryKey = New DataColumn() {resultDS.Tables("syotbl").Columns("tancode")}

l12 = Now()

'DATASET作成済時間

While lifile.Peek > -1

linstr = lifile.ReadLine

lidata = Split(linstr, ",")

Try

oDR = resultDS.Tables("syotbl").Rows.Find(Trim(lidata(0)))

If oDR Is Nothing Then

oDR = resultDS.Tables("syotbl").NewRow()

oDR("tancode") = Trim(lidata(0))

oDR("grpcode") = lidata(1)

oDR("bmncode") = lidata(2)

oDR("kancode") = lidata(3)

oDR("syoname") = Trim(lidata(4))

oDR("vdrcode") = lidata(5)

oDR("genka") = lidata(6)

oDR("baika") = lidata(7)

oDR("yyyymmdd") = lidata(8)

oDR("kubun") = lidata(9)

resultDS.Tables("syotbl").Rows.Add(oDR)

J1 = J1 + 1

Else

'テーブル"syotbl"の先頭値に対する更新処理

oDR("tancode") = Trim(lidata(0))

oDR("grpcode") = lidata(1)

oDR("bmncode") = lidata(2)

oDR("kancode") = lidata(3)

oDR("syoname") = Trim(lidata(4))

oDR("vdrcode") = lidata(5)

oDR("genka") = lidata(6)

oDR("baika") = lidata(7)

oDR("yyyymmdd") = lidata(8)

oDR("kubun") = lidata(9)

J2 = J2 + 1

End If

Catch ex As MySqlException

MessageBox.Show(ex.Message)

End Try

End While

'データ処理が終わったら元テーブルを更新

Try

'Update文の自動実行のためにCommandBuilderオブジェクトを作成する

sqlCmdBldr = New MySqlCommandBuilder(sqlDA)

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        ' DataSetに対する更新結果をDBに反映
        sqlDA.Update(resultDS, "syotbl")
        ' MessageBox.Show("レコードは更新されました")
    Catch ex As MySqlException
        MessageBox.Show(ex.Message)
    End Try

    Catch ex As MySqlException
        MessageBox.Show(ex.Message)
    Finally
        lifile.Close()
    End Try
    '
    IIE = Now

    MessageBox.Show("開始=" & IIT & " 読込=" & IIS & " 中間=" & IJ2 & " 最終=" & IIE & " 追加=" & Str(J1) & " 件更
    新=" & Str(J2) & " 件")
End Sub

Sub DtCLR()
    Dim Cn As New MySql.Data.MySqlClient.MySqlConnection
    Dim SQL As MySql.Data.MySqlClient.MySqlCommand
    '
    Dim s As String
    '
    s = "server=localhost;user ID=hanbai;password=password;database=tanpin;"
    Cn.ConnectionString = s
    SQL = Cn.CreateCommand
    SQL.CommandText = "delete wktbl.* from wktbl"

    Cn.Open()
    SQL.ExecuteNonQuery()
    '
    Cn.Close()
    SQL.Dispose()
    Cn.Dispose()
End Sub

Sub Dtset()
    Dim sqlCont As New MySql.Data.MySqlClient.MySqlConnection ' SQL接続
    Dim sqlCMD1 As MySql.Data.MySqlClient.MySqlCommand ' コマンド
    Dim MyconString As String = "server=localhost;user id=hanbai;password=password;database=tanpin;"
    '
    Dim lifile As StreamReader ' 入力ファイル
    Dim linstr As String, lidata() As String
    '
    ' 接続文字列を設定
    sqlCont.ConnectionString = MyconString
    lifile = File.OpenText("d:\nettest\Projects\mstset\mstmnt.txt")
    Try
        ' Mak Insert command
        sqlCMD1 = sqlCont.CreateCommand
        sqlCMD1.CommandText = "INSERT INTO wktbl (tancode) VALUES (?tancode)"
        sqlCMD1.Parameters.Add(New MySqlParameter("?tancode", MySqlDbType.VarChar))
        ' ここからデータ読み込み
        While lifile.Peek > -1
            linstr = lifile.ReadLine
            lidata = Split(linstr, ",")
            '
        End While
        Try
            ' 接続を作成して
            sqlCont.Open()
            sqlCMD1.Parameters("?tancode").Value = Trim(lidata(0))
            ' 内容を追加します。
            sqlCMD1.ExecuteNonQuery()
        Catch ex As MySqlException
            MessageBox.Show(ex.Message)
        End Try
    End Try

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```
        Finally
            sqlCont.Close()
        End Try
    End While
    'データ読み込みここまで
Catch ex As MySqlException
    MessageBox.Show(ex.Message)
Finally
    lfile.Close()
End Try
End Sub
End Class
```