**Step 1: Create tblProgramOptions to hold your global variable values.**



**Step 2: Create module level Enum**

In a stand alone module, insert the following code at the top before your first procedure::

Enum ProgramOptions

    strText = 1

    lngNumber = 2

    dteDate = 3

    logLogical = 4

End Enum

**Step 3: Add the following three methods to the module:**

*Note: If you don’t wrap this line of code then you don’t need the line continuation character, “\_”, used below.*

**Public Function ReadGV(strVariableName As String, strVariableType As \_   
ProgramOptions) As Variant**

    Dim rst As ADODB.Recordset

    Set rst = New ADODB.Recordset

    With rst

        .CursorType = adOpenStatic

        .ActiveConnection = CurrentProject.Connection

        .LockType = adLockReadOnly

        .CursorLocation = adUseClient

        .Source = "tblProgramOptions"

        .Open

        If .State = adStateClosed Then

            GoTo ErrorProcessor

        End If

        .MoveFirst

        .Find "[OptionName] = '" & strVariableName & "'"

        If .EOF Then

                    'No match found, return Null

                    ReadGV = Null

        Else

            ReadGV = .Fields(strVariableType)

        End If

        .Close

    End With

    Set rst = Nothing

    Exit Function

ErrorProcessor:

    ‘Insert your error handling code here

    Exit Function

End Function

**Public Function WriteGV(strVariableName As String, strVariableType As \_   
ProgramOptions, varValue As Variant) As Boolean**

    Dim rst As ADODB.Recordset

    Set rst = New ADODB.Recordset

    With rst

        .CursorType = adOpenKeyset

        .ActiveConnection = CurrentProject.Connection

        .LockType = adLockOptimistic

        .CursorLocation = adUseClient

        .Source = "tblProgramOptions"

        .Open

        If .State = adStateClosed Then

            GoTo ErrorProcessor

        End If

        .MoveFirst

        .Find "[OptionName] = '" & strVariableName & "'"

        If .EOF Then

            'No match found, add new record to table

            .AddNew

                !OptionName = strVariableName

                If Not varValue = "" Then

                    .Fields(strVariableType) = varValue

                End If

            .Update

        Else

            'Match found, update value of variable

            If Not varValue = "" Then

                .Fields(strVariableType) = varValue

            End If

            .Update

        End If

        .Close

    End With

    Set rst = Nothing

    Exit Function

ErrorProcessor:

    Exit Function

End Function

**Public Function DeleteGV(strVariableName As String) As Boolean**

    Dim rst As ADODB.Recordset

    Set rst = New ADODB.Recordset

    With rst

        .CursorType = adOpenKeyset

        .ActiveConnection = CurrentProject.Connection

        .LockType = adLockOptimistic

        .CursorLocation = adUseServer

        .Source = "tblProgramOptions"

        .Open

        If .State = adStateClosed Then

            GoTo ErrorProcessor

        End If

        .MoveFirst

        .Find "[OptionName] = '" & strVariableName & "'"

        If .EOF Then

            'No match found, exit

            DeleteGV = True

        Else

            'Match found, delete record

            .Delete

            DeleteGV = True

        End If

        .Close

    End With

    Set rst = Nothing

    Exit Function

ErrorProcessor:

    DeleteGV = False

    Exit Function

End Function