ADO_CONN - 1

```
Option Explicit
Public DBCONT As Object
Dim rs As Object


'@doc [ CONNECTA COM UMA PLANILHA]
Public Function CONNECT_IN_EXCEL_FILE(file_path As String) As Object
    Set DBCONT = CreateObject("ADODB.Connection")
    Dim conn As String

        conn = "Provider = Microsoft.ACE.OLEDB.12.0;Data Source=" & file_path & _
        ";Extended Properties=""Excel 12.0 Xml;HDR=YES;IMEX=1"";"
        On Error GoTo 2003
        DBCONT.Open conn
        DBCONT.cursorlocation = 3
        Exit Function
2003:
        conn = "Driver={Microsoft Excel Driver(*.xls,*.xlsx)};ReadOnly=1;DBQ=" & file_path
        On Error GoTo error
        DBCONT.Open conn
        DBCONT.cursorlocation = 3
        CONNECT_IN_EXCEL_FILE = conn
error:
        Call CLOSE_DB
        MsgBox "Filed to Connect to Database"
End Function
'@doc [ CONECTA A UMA BASE DE DADOS CSV ]


Public Function CONNECT_IN_CSV_FILE(file_path As String) As Object
Set DBCONT = CreateObject("ADODB.Connection")

Dim LINK As String
LINK = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & file_path & _
";Extended Properties='text;HDR=YES;FMT=Delimited'"
End Function
'@doc [ FECHA CONEXÃO COM O BANCO ]
Public Function CLOSE_DB()
    On Error Resume Next
    DBCONT.Close
    Set DBCONT = Nothing
    On Error GoTo 0
End Function




Function SanitizeSQL(ByVal sqlSTR As String) As String
SanitizeSQL = Replace(sqlSTR, "'", "''")
End Function

'@doc [ EXEMPLO COM ARQUIVO EXCEL]
Sub EXEMPLO_EXCEL_FILE()
Dim x As String
Call CONNECT_IN_EXCEL_FILE("C:\Users\Usuario\Downloads\lotomania.xlsx")

Set rs = CreateObject("ADODB.Connection")
Dim sqlString
sqlString = "SELECT [Concurso],[Data] FROM [lotomania$]"
rs.Open sqlString, DBCONT



MsgBox rs(0)

' [ HEADERS DO RESULTADO ]
Dim i As Integer
For i = 0 To rs.Fields.Count - 1
    database.Cells(1, i + 1).Value = rs.Fields(i).Name
Next
' [ COPIA O RECORDSET NA PLANILHA ]
database.Range("a2").CopyFromRecordset rs


rs.Close
Set rs = Nothing
Call CLOSE_DB
```

```
ADO_CONN - 2

End Sub
```

```
CSV_CONN - 1

Sub TESTE(path As String)
' "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & path & ";Extended Properties='text;HDR=YES;FMT=
Delimited';"
URL = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & path & ";Extended Properties='text;HDR=YES;
FMT=Delimited';"
End Sub

Sub sbADO()
database.Range("A:V").ClearContents
Dim sSQLQry As String
Dim ReturnArray

Dim conn As ADODB.Connection
Set conn = New ADODB.Connection
Dim mrs As New ADODB.RECORDSET

Dim DBPath As String, sconnect As String

DBPath = "C:\Users\Usuario\Documents\csv_files\"

sconnect = "Provider=Microsoft.Jet.OLEDB.4.0;Data Source=" & DBPath & ";Extended Properties='text;H
DR=Yes;FMT=Delimited';"

conn.Open sconnect

sSQLSting = "SELECT * From lotomania.csv"   'Here I need to match WHERE Customer_ID = ('" & sCID &
"') but let's test first the whole data set!
mrs.Open sSQLSting, conn
' [ HEADERS DO RESULTADO ]
Dim i As Integer
For i = 0 To mrs.Fields.Count - 1
    database.Cells(1, i + 1).Value = UCase(mrs.Fields(i).Name)
Next



        '=>Load the Data into an array
        'ReturnArray = mrs.GetRows
                ''OR''
        '=>Paste the data into a sheet
        database.Range("A2").CopyFromRecordset mrs

    'Close Recordset
    mrs.Close

conn.Close

End Sub
```

```
CSV_LOAD - 1

Dim conn As ADODB.Connection
Dim rs As ADODB.RECORDSET
Dim currentDataFilePath As String
Dim currentDataFileName As String
Dim nextRow As Integer
Const LINHA_PAST As Integer = 2

Sub LOAD_CSV(path_files As String, query As String, wb As Worksheet)

database.Range("A1:AA10000").ClearContents
Application.Calculation = xlCalculationManual

currentDataFilePath = path_files
currentDataFileName = "lotomania"

Set conn = New ADODB.Connection
Set rs = New ADODB.RECORDSET

conn.Provider = "Microsoft.Jet.OLEDB.4.0"
conn.ConnectionString = "Data Source=" & currentDataFilePath & ";" & "Extended Properties=""text;HD
R=Yes;FMT=Delimited;"""

conn.Open


rs.Open query, conn
' [ HEADERS DO RESULTADO ]
Dim i As Integer
For i = 0 To rs.Fields.Count - 1
    database.Cells(1, i + 1).Value = UCase(rs.Fields(i).Name)
Next

' [ COLA O RESULTADO]
rs.MoveFirst
nextRow = database.UsedRange.Rows.Count + 1
'nextRow = Worksheets("Plan1").UsedRange.Rows.Count + 1
nextRow = database.Cells(Rows.Count, 1).End(xlUp).Row + 1

database.Cells(LINHA_PAST, 1).CopyFromRecordset rs

rs.Close
conn.Close

Set rs = Nothing
Set conn = Nothing

Application.Calculation = xlCalculationAutomatic
ActiveWorkbook.RefreshAll
ActiveWorkbook.Save

End Sub

Function loadCsv()
'LOAD_CSV "C:\Users\Usuario\Documents\csv_files\", "SELECT * FROM A.csv A INNER join B.csv B on A.I
D = B.ID", database
LOAD_CSV "C:\Users\Usuario\Documents\csv_files\", "SELECT * FROM A.csv AS A , B.csv AS B", database
' Application.Wait (Now + TimeValue("00:00:01"))
MsgBox "ok"
End Function
Sub ScheduleTheDay()
'Application.OnTime TimeValue("10:04 AM"), "loadCsv"
'Application.OnTime TimeValue("10:05 AM"), "loadCsv"
'Application.OnTime TimeValue("10:06 AM"), "loadCsv"
End Sub
```

EXCEL_LOAD - 1

Módulo1 - 1

```
Sub GetMyCSVData()
Dim xlcon As ADODB.Connection
Dim xlrs As ADODB.RECORDSET

Set xlcon = New ADODB.Connection
Set xlrs = New ADODB.RECORDSET

Dim currentDataFilePath As String
Dim currentDataFileName As String
Dim nextRow As Integer

currentDataFilePath = "C:\Users\Usuario\Documents\csv_files\"
currentDataFileName = "lotomania"

xlcon.Provider = "Microsoft.Jet.OLEDB.4.0"
xlcon.ConnectionString = "Data Source=" & currentDataFilePath & ";" & "Extended Properties=""text;H
DR=Yes;FMT=Delimited;"""
Worksheets("Plan1").Range("A1:BB10000").Clear
xlcon.Open
Dim query As String
query = "SELECT * FROM A.csv A left join B.csv B on A.ID = B.ID"
xlrs.Open query, xlcon

' [ HEADERS DO RESULTADO ]
Dim i As Integer
For i = 0 To xlrs.Fields.Count - 1
    database.Cells(1, i + 1).Value = UCase(xlrs.Fields(i).Name)
Next


xlrs.MoveFirst
nextRow = Worksheets("Plan1").UsedRange.Rows.Count + 1
database.Cells(nextRow, 1).CopyFromRecordset xlrs

xlrs.Close
xlcon.Close

Set xlrs = Nothing
Set xlcon = Nothing
End Sub
```