

ANEXO A.- CÓDIGO VBA ASOCIADO AL
BOTÓN DE COMANDO
cmdMostrarWord

```
Private Sub cmdMostrarWord_Click()
```

```
    Dim db As Database
```

```
    Dim rstAttachments As Recordset2
```

```
    Dim fso As Scripting.FileSystemObject
```

```
    Dim rstTable1
```

```
    Dim rstTable2
```

```
    Dim rstTable1a
```

```
    Dim rstTable2a
```

```
    Dim strFileAndPath
```

```
    Dim appWord As Word.Application
```

```
    Dim wordDoc As Word.Document
```

```
    Dim strFichero As String
```

```
    Dim strRuta As String
```

```
    Dim i, j, k, l As Long           'variables auxiliares
```

```
    Dim auxpag As Long
```

```
    Dim numpag As Long
```

```
    Dim numreg As Long
```

```
    Dim dobleconsulta
```

```
    Dim paginado
```

```
Set fso = CreateObject("scripting.fileSystemObject")
```

```
Set db = CurrentDb
```

```
    If cboClave1 <> "" Then           'se comprueba que claves están seleccionadas para realizar la  
                                     'consulta
```

```
        If cboClave2 <> "" Then
```

```
            If cboClave3 <> "" Then
```

```
                If cboClave4 <> "" Then           'consulta 1 con 4 claves seleccionadas
```

```
                    Set rstTable1 = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa  
INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*') And  
(Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &  
Me.cboClave2 & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos  
WHERE Clave Like '*' & Me.cboClave3 & '*') And (Atributos.IdNormativa) In (SELECT  
IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave4 & '*')) GROUP BY  
IdTitulo", dbOpenDynaset)
```

```
Set rstTable2 = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM  
Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*') And  
(Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &  
Me.cboClave2 & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos  
WHERE Clave Like '*' & Me.cboClave3 & '*') And (Atributos.IdNormativa) In (SELECT  
IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave4 & '*')) ORDER BY  
IdTitulo", dbOpenDynaset)
```

Else ‘consulta 1 con 3 claves seleccionadas

```
Set rstTable1 = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa  
INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*') And  
(Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &  
Me.cboClave2 & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos  
WHERE Clave Like '*' & Me.cboClave3 & '*')) GROUP BY IdTitulo", dbOpenDynaset)
```

```
Set rstTable2 = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM  
Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*') And  
(Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &  
Me.cboClave2 & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos  
WHERE Clave Like '*' & Me.cboClave3 & '*')) ORDER BY IdTitulo", dbOpenDynaset)
```

End If

Else ‘consulta 1 con 2 claves seleccionadas

```
Set rstTable1 = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa  
INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
((Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &  
Me.cboClave1 & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos  
WHERE Clave Like '*' & Me.cboClave2 & '*')) GROUP BY IdTitulo", dbOpenDynaset)
```

```
Set rstTable2 = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM  
Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*') And  
(Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &  
Me.cboClave2 & '*')) ORDER BY IdTitulo", dbOpenDynaset)
```

End If

Else ‘consulta 1 con 1 clave seleccionada

```
Set rstTable1 = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa  
INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*')) GROUP BY  
IdTitulo", dbOpenDynaset)
```

```
Set rstTable2 = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM  
Normativa INNER JOIN Atributos ON Normativa.Id=Atributos.IdNormativa WHERE  
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN  
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In  
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1 & '*')) ORDER BY  
IdTitulo", dbOpenDynaset)
```

```
End If

Else

    'en caso de no estar seleccionada ninguna clave se sale

Exit Sub

End If

dobleconsulta = 0

    'se comprueba si están seleccionadas alguna clave de la doble consulta

If cboClave1a <> "" Then

    If cboClave2a <> "" Then

        If cboClave3a <> "" Then

            If cboClave4a <> "" Then                'consulta 2 con 4 claves seleccionadas

                Set rstTable1a = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave2a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave3a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave4a & '*')) GROUP BY IdTitulo", dbOpenDynaset)

                Set rstTable2a = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave2a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave3a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave4a & '*')) ORDER BY IdTitulo", dbOpenDynaset)

                dobleconsulta = 1                'se active indicando doble consulta

            Else                'consulta 2 con 3 claves seleccionadas

                Set rstTable1a = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave2a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave3a & '*')) GROUP BY IdTitulo", dbOpenDynaset)

                Set rstTable2a = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave2a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave3a & '*')) ORDER BY IdTitulo", dbOpenDynaset)
```

```

        dobleconsulta = 1                                'se active indicando doble consulta
    End If

    Else                                                  'consulta 2 con 2 claves seleccionadas

        Set rstTable2a = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM
Normativa INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*') And
(Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &
Me.cboClave2a & '*')) ORDER BY IdTitulo", dbOpenDynaset)

        Set rstTable1a = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa
INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE
((Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos WHERE Clave Like '*' &
Me.cboClave1a & '*') And (Atributos.IdNormativa) In (SELECT IdNormativa FROM Atributos
WHERE Clave Like '*' & Me.cboClave2a & '*')) GROUP BY IdTitulo", dbOpenDynaset)

        dobleconsulta = 1                                'se active indicando doble consulta
    End If

    Else                                                  'consulta 2 con 1 claves seleccionadas

        Set rstTable1a = db.OpenRecordset("SELECT IdTitulo, Documento FROM Normativa
INNER JOIN Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*')) GROUP
BY IdTitulo", dbOpenDynaset)

        Set rstTable2a = db.OpenRecordset("SELECT DISTINCT IdTitulo, NumPag FROM
Normativa INNER JOIN Atributos ON Normativa.Id=Atributos.IdNormativa WHERE
Normativa.IdTitulo IN (SELECT DISTINCT Normativa.IdTitulo FROM Normativa INNER JOIN
Atributos ON Normativa.IdTitulo=Atributos.IdNormativa WHERE ((Atributos.IdNormativa) In
(SELECT IdNormativa FROM Atributos WHERE Clave Like '*' & Me.cboClave1a & '*')) ORDER
BY IdTitulo", dbOpenDynaset)

        dobleconsulta = 1                                'se active indicando doble consulta
    End If

    Else

    End If

    i = 0
    j = 0
    k = 0
    l = 0
    auxpag = 1
    numreg = 0
```

```
Set appWord = New Word.Application           'crea una nueva instancia a Word tanto si
                                              'esta abierto como si no

With appWord

    .Visible = True

    .WindowState = wdWindowStateMinimize

End With

Set wordDoc = appWord.Documents.Add

Do While Not rstTable1.EOF

    With appWord.Selection

        If i = 0 Then

            .Font.Color = vbBlue               ' color de la fuente

            .Font.Name = "TimesNewRoman"       ' tipo de fuente

            .Font.Size = "10"                  ' tamaño de la fuente

            .TypeText "Consulta 1 con palabras claves:" 'se indican las claves seleccionadas en
                                                    'la consulta 1

            .TypeParagraph

            auxpag = auxpag + 1                 ' variable auxiliar para cálculo de
                                                    ' página de inicio tras índice

            .Font.Color = vbBlack               ' color de la fuente

            .Font.Name = "TimesNewRoman"       'tipo de fuente

            .Font.Size = "10"                  'tamaño de la fuente

            .TypeText Me.cboClave1

            If cboClave2 <> "" Then

                .TypeParagraph

                .TypeText Me.cboClave2

                auxpag = auxpag + 1

            End If

            If cboClave3 <> "" Then

                .TypeParagraph

                .TypeText Me.cboClave3

                auxpag = auxpag + 1

            End If

        End With

    End With
```

```
If cboClave4 <> "" Then
    .TypeParagraph
    .TypeText Me.cboClave4
    auxpag = auxpag + 1
End If

If dobleconsulta > 0 Then                                ' si doble consulta activa
    If l = 0 Then
        l = 1

        .Font.Color = vbBlue                             ' color de la fuente
        .Font.Name = "TimesNewRoman"                     ' tipo de fuente
        .Font.Size = "10"                                ' tamaño de la fuente
        .TypeParagraph
        auxpag = auxpag + 1

        .TypeText "Consulta 2 con palabras claves:"      'se indican las claves
                                                         'seleccionadas en la consulta 2
        .TypeParagraph
        auxpag = auxpag + 1
        .Font.Color = vbBlack                             ' color de la fuente
        .Font.Name = "TimesNewRoman"                     ' tipo de fuente
        .Font.Size = "10"                                ' tamaño de la fuente

        .TypeText Me.cboClave1a
        If cboClave2a <> "" Then
            .TypeParagraph
            auxpag = auxpag + 1
            .TypeText Me.cboClave2a
        End If
        If cboClave3a <> "" Then
            .TypeParagraph
            auxpag = auxpag + 1
            .TypeText Me.cboClave3a
        End If
    End If
```

```
        If cboClave4a <> "" Then
            .TypeParagraph
            auxpag = auxpag + 1
            .TypeText Me.cboClave4a
        End If
    End If
End If

i = i + 1
End If

If j = 0 Then                                ' se crea índice del documento Word
    .Font.Color = vbBlue                     ' color de la fuente
    .Font.Name = "TimesNewRoman"            ' tipo de fuente
    .Font.Size = "10"                       ' tamaño
    .TypeParagraph
    .TypeText "Normativa mostrada:"
    auxpag = auxpag + 1

    j = j + 1
End If

rstTable2.MoveLast
rstTable2.MoveFirst
numreg = rstTable2.RecordCount               ' se cuenta el número de registros de la
                                             ' consulta 1
auxpag = auxpag + numreg * 2

If dobleconsulta > 0 Then
    rstTable2a.MoveLast
    rstTable2a.MoveFirst
    numreg = rstTable2a.RecordCount          ' se cuenta el número de registros de la
                                             ' consulta 2
    auxpag = auxpag + numreg * 2
End If
```

```
i = 1
j = 0
paginado = 0

Do While paginado = 0                                ' cálculo de la página de inicio tras índice
    j = j + 1
    If auxpag > (i * 31) Then
        i = i + 1
    Else
        numpag = i + 1
        paginado = 1
    End If
Loop

If k = 0 Then
    Do While Not rstTable2.EOF                        ' imprime índice de consulta 1
        With appWord.Selection
            .Font.Color = vbBlack                    ' color de la fuente
            .Font.Name = "TimesNewRoman"             ' tipo de fuente
            .Font.Size = "10"                        ' tamaño de la fuente

            .TypeParagraph
            .TypeText rstTable2.IdTitulo ' indicación de la normativa de la consulta 1
            .TypeParagraph
            .TypeText " Pag ..... "
            .TypeText numpag                    ' indicación de la página
            numpag = numpag + rstTable2.numpag
        End With
        rstTable2.MoveNext
    Loop
```

```
If dobleconsulta > 0 Then                                ' imprime índice de consulta 2
Do While Not rstTable2a.EOF
    With appWord.Selection
        .Font.Color = vbBlack                            ' color de la fuente
        .Font.Name = "TimesNewRoman"                    ' tipo de fuente
        .Font.Size = "10"                                ' tamaño de la fuente

        .TypeParagraph
        .TypeText rstTable2a.IdTitulo ' indicación normativa de la consulta 2
        .TypeParagraph
        .TypeText " Pag ..... "
        .TypeText numpag ' indicación de la página
        numpag = numpag + rstTable2a.numpag
    End With
    rstTable2a.MoveNext
Loop
End If

End If

k = k + 1
End With
rstTable1.MoveNext
Loop
```

```
rstTable1.MoveFirst

Do While Not rstTable1.EOF           ' para imprimir archivos de la consulta 1

    Set rstAttachments = rstTable1.Fields("Documento").Value

    MkDir "C:\CarpetaTemporal"

    strFileAndPath = "C:\CarpetaTemporal"

    With rstAttachments

        Do While Not .EOF

            On Error Resume Next

            .Fields("fileData").SaveToFile strFileAndPath

            .MoveNext

        Loop

        .Close

        strRuta = "C:\CarpetaTemporal"

        strFichero = Dir$(strRuta & "\*.doc")

        i = 0

        Do Until strFichero = ""

            With appWord.Selection

                If i = 0 Then

                    .InsertBreak wdSectionBreakNextPage

                    i = i + 1

                End If

                .InsertFile FileName:=(strRuta & "\" & strFichero)

                .Collapse wdCollapseEnd

                .TypeParagraph

            End With

            strFichero = Dir()

        Loop

        fso.DeleteFolder strRuta

        rstTable1.MoveNext

    End With

Loop
```

```
If dobleconsulta > 0 Then
    rstTable1a.MoveFirst
    Do While Not rstTable1a.EOF                ' para imprimir archivos de la consulta 2
        Set rstAttachments = rstTable1a.Fields("Documento").Value
        MkDir "C:\CarpetaTemporal"
        strFileAndPath = "C:\CarpetaTemporal"

        With rstAttachments
            Do While Not .EOF
                On Error Resume Next
                .Fields("fileData").SaveToFile strFileAndPath
                .MoveNext
            Loop
            .Close
            strRuta = "C:\CarpetaTemporal"
            strFichero = Dir$(strRuta & "\*.doc")
            i = 0
            Do Until strFichero = ""
                With appWord.Selection
                    If i = 0 Then
                        .InsertBreak wdSectionBreakNextPage
                        i = i + 1
                    End If
                    .InsertFile FileName:=(strRuta & "\" & strFichero)
                    .Collapse wdCollapseEnd
                    .TypeParagraph
                End With
                strFichero = Dir()
            Loop
            fso.DeleteFolder strRuta
            rstTable1a.MoveNext
        End With
    Loop
End If
```

' se cierran todas las instancias abiertas

Set appWord = Nothing

Set wordDoc = Nothing

rstTable1.Close

rstTable2.Close

If dobleconsulta > 0 Then

rstTable1a.Close

rstTable2a.Close

End If

End Sub