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Dim i, j, k, g, h, T, T1, T2, T3, T4, T5, pos, pos1, pos2, pos3, pos4, cond As Integer
Dim aux, aux1, aux2, aux3, aux4, aux5, aux6, aux7 As String
Dim sis(2), sexo(2), PP(2), SP(2), EF(2), SI(2), nom(2), ape(2), prom(2) As String
Dim X, X1, X2, X3, X4, X5, may As String
Dim V(0 To 2) As String

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Private Sub RECUPERAR_Click()

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Open "d:\archil.dad" For Input As #1
    i = 0
    Do While Not EOF(1)
        Input #1, V(i)
        i = i + 1
    Loop
Close #1
For j = 0 To i - 1
    TT1.Text = TT1.Text & V(j) & Chr(13) & Chr(10)
Next
End Sub

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Private Sub ORDENAR_Click()

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For k = 0 To i - 1
    X = V(k)
    T = Len(X) 'faltan trabajar los espacios
    sis(k) = Left(X, 8) 'codigo sis
    sexo(k) = Right(X, 1) 'el sexo de la persona
    X1 = Mid(X, 10, (T - 11)) 'nombre apellido y nota
    T1 = Len(X1)
    pos = InStr(X1, " ")
    ape(k) = Mid(X1, 1, pos - 1)
    X2 = Mid(X1, pos + 1, (T1 - pos))
    T2 = Len(X2)
    pos1 = InStr(X2, " ")
    nom(k) = Mid(X2, 1, pos1 - 1)
    X3 = Mid(X2, pos1 + 1, (T2 - pos1))
    T3 = Len(X3)
    pos2 = InStr(X3, " ")
    PP(k) = Mid(X3, 1, pos2 - 1)
    X4 = Mid(X3, pos2 + 1, (T3 - pos2))
    T4 = Len(X4)
    pos3 = InStr(X4, " ")
    SP(k) = Mid(X4, 1, pos3 - 1)
    X5 = Mid(X4, pos3 + 1, (T4 - pos3))
    T5 = Len(X5)
    pos4 = InStr(X5, " ")
    EF(k) = Mid(X5, 1, pos4 - 1)
    SI(k) = Mid(X5, pos4 + 1, (T5 - pos4))
Next
For g = 0 To i - 2
    For h = g + 1 To i - 1
        If ape(g) > ape(h) Then
            aux = ape(g)
            ape(g) = ape(h)
            ape(h) = aux
            aux1 = nom(g)
            nom(g) = nom(h)
            nom(h) = aux1
            aux2 = sis(g)
            sis(g) = sis(h)
            sis(h) = aux2
            aux3 = sexo(g)

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        sexo(g) = sexo(h)
        sexo(h) = aux3
        aux4 = PP(g)
        PP(g) = PP(h)
        PP(h) = aux4
        aux5 = SP(g)
        SP(g) = SP(h)
        SP(h) = aux5
        aux6 = EF(g)
        EF(g) = EF(h)
        EF(h) = aux6
        aux7 = SI(g)
        SI(g) = SI(h)
        SI(h) = aux7
    End If
Next
Next
TT1.Text = ""
For j = 0 To i - 1
    TT1.Text = TT1.Text & ape(j) & " " & nom(j) & " " & sis(j) & " " & PP(j) & " " &
    SP(j) & " " & EF(j) & " " & SI(j) & " " & sexo(j) & Chr(13) & Chr(10)
Next
MsgBox ("El vector ya esta ordenado")
End Sub

Private Sub APROVADOS_Click()
TT1.Text = ""
Open "d:\aprobat1.dad" For Output As #3
For j = 0 To i - 1
    prom(j) = PP(j) / 2 + SP(j) / 2
    If prom(j) >= 51 Then
        TT1.Text = TT1.Text & ape(j) & " " & nom(j) & " " & prom(j) & Chr(13) & Chr(10)
        Print #3, ape(j), nom(j), prom(j)
    End If
    If EF(j) >= 51 Then
        TT1.Text = TT1.Text & ape(j) & " " & nom(j) & " " & EF(j) & Chr(13) & Chr(10)
        Print #3, ape(j), nom(j), EF(j)
    End If
    If SI(j) >= 51 Then
        TT1.Text = TT1.Text & ape(j) & " " & nom(j) & " " & SI(j) & Chr(13) & Chr(10)
        Print #3, ape(j), nom(j), SI(j)
    End If
Next
Close #3
End Sub

Private Sub REPROVADOS_Click()
TT1.Text = ""
Open "d:\reprobat1.dad" For Output As #4
For j = 0 To i - 1
    prom(j) = PP(j) / 2 + SP(j) / 2
    If prom(j) >= 51 Then
        If EF(j) >= 51 Then
            If SI(j) >= 51 Then
                Else
                    TT1.Text = TT1.Text & ape(j) & " " & nom(j) & " " & SI(j) &
                    Chr(13) & Chr(10)
                    Print #4, ape(j), nom(j), SI(j)
                End If
            End If
        End If
    End If
End If

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Next
Close #4
End Sub
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Private Sub BUSCARCODIGO_Click()
X = cod.Text
pos = -1
For j = 0 To i - 1
    If sis(j) = X Then
        pos = j
    End If
Next
If pos >= 0 Then
    dad.Text = nom(pos) & " " & ape(pos)
Else
    dad.Text = "no existe"
End If
End Sub
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```
Private Sub MAYORNOTA_Click()
may = 51
For j = 0 To i - 1
    If SP(j) > may Then
        may = SP(j)
        pos = j
    Else
        MsgBox ("esta es la mayor nota")
    End If
Next
dad.Text = may & " " & ape(pos) & " " & nom(pos)
End Sub
```

```
Private Sub NUMDAMAS_Click()
cond = 0
For j = 0 To i - 1
    If sexo(j) = "F" Then
        cond = cond + 1
    End If
Next
SEX.Text = cond
End Sub
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```
Private Sub NUMVARONES_Click()
cond = 0
For j = 0 To i - 1
    If sexo(j) = "M" Then
        cond = cond + 1
    End If
Next
SEX.Text = cond
End Sub
```

```
Private Sub UserForm_Click()
dad.Text = ""
SEX.Text = ""
End Sub
```