

Bingo en Excel (VBA)

Taller°1

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I.E INEM JOSÉ FÉLIX DE RESTREPO
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Código

```
Private Declare PtrSafe Function playSound Lib "winmm.dll" Alias
"PlaySoundA" (ByVal lpszName As String, ByVal hModule As LongPtr,
ByVal dwFlags As Long) As Boolean
Const SND_SYNC = &H0
Const SND_ASYNC = &H1
Const SND_FILENAME = &H20000

Function SoundMe()
    ubicacion = ThisWorkbook.Path + "\media\Ruleta.wav"
    Call playSound(ubicacion, 0, SND_ASYNC Or SND_FILENAME)
End Function

Sub sortear_numeros()
    casillas = Worksheets("Bingo").Cells(5, 2).Value
    If casillas > 0 Then
        Call imprimir
    End If
    Active = True
    Do While Active = True
        columna = Int(15 * Rnd) + Worksheets("Bingo").Cells(2,
2).Value
        fila = Int(5 * Rnd) + Worksheets("Bingo").Cells(3, 2).Value
        balota = Worksheets("Bingo").Cells(4, 2).Value
        num = Worksheets("Bingo").Cells(fila, columna).Value
        temp = True
        For x = 0 To balota + 1
            If num = Worksheets("Bingo").Cells(x + 7, 1) Then
                temp = False
            End If
        Next x
        If temp = True Then
            Active = False
        End If
    Loop
    If temp = True Then
        Call SoundMe
        Application.Wait (Now + TimeValue("00:00:03"))
        Call llamar
        Worksheets("Bingo").Cells(balota + 7, 1) = num
        Worksheets("Bingo").Cells(fila, columna).Interior.Pattern
= xlPatternLinearGradient
        Worksheets("Bingo").Cells(fila,
columna).Interior.Gradient.Degree = 90
        Worksheets("Bingo").Cells(fila,
columna).Interior.Gradient.ColorStops(1).Color = RGB(243, 172, 0)
        Worksheets("Bingo").Cells(fila,
columna).Interior.Gradient.ColorStops(2).Color = RGB(170, 120, 0)
        Worksheets("Bingo").TextBox1.Text =
Worksheets("Bingo").Cells(fila, Worksheets("Bingo").Cells(2, 2).Value
- 1)

        If num < 10 Then
            Worksheets("Bingo").TextBox2.Text = 0
            Worksheets("Bingo").TextBox3.Text = Right(num, 1)
        End If
        If num > 9 Then
            Worksheets("Bingo").TextBox2.Text = Left(num, 1)
            Worksheets("Bingo").TextBox3.Text = Right(num, 1)
        End If
    End If
End Sub
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        End If
    End If
End Sub
Sub imprimir()
    For j = 0 To 4
        columna = Worksheets("Bingo").Cells(2, 2).Value
        fila = Worksheets("Bingo").Cells(3, 2).Value + j
        Sum = j * 15
        For x = 1 To 15
            Worksheets("Bingo").Cells(fila, columna).Value = x + Sum
            columna = columna + 1
        Next x
    Next j
End Sub

Sub resetear()
    For j = 0 To 4
        columna = Worksheets("Bingo").Cells(2, 2).Value
        fila = Worksheets("Bingo").Cells(3, 2).Value + j
        For x = 1 To 15
            Worksheets("Bingo").Cells(fila, columna).Value = ""
            Worksheets("Bingo").Cells(fila, columna).Interior.Pattern
= xlPatternLinearGradient
            Worksheets("Bingo").Cells(fila,
columna).Interior.Gradient.Degree = 90
            Worksheets("Bingo").Cells(fila,
columna).Interior.Gradient.ColorStops(1).Color = RGB(160, 160, 160)
            Worksheets("Bingo").Cells(fila,
columna).Interior.Gradient.ColorStops(2).Color = RGB(198, 198, 198)
            columna = columna + 1
        Next x
    Next j
    For x = 0 To 75
        Worksheets("Bingo").Cells(x + 7, 1).Value = ""
    Next x
    Worksheets("Bingo").TextBox1.Text = ""
    Worksheets("Bingo").TextBox2.Text = ""
    Worksheets("Bingo").TextBox3.Text = ""
End Sub
Sub barajar()
    columna = Int(15 * Rnd) + Worksheets("Bingo").Cells(2, 2).Value
    fila = Int(5 * Rnd) + Worksheets("Bingo").Cells(3, 2).Value
    letra = Worksheets("Bingo").Cells(fila,
Worksheets("Bingo").Cells(2, 2).Value - 1).Value
    num = Worksheets("Bingo").Cells(fila, columna).Value
    Worksheets("Bingo").TextBox1.Text = letra
    If num < 10 Then
        Worksheets("Bingo").TextBox2.Text = 0
        Worksheets("Bingo").TextBox3.Text = Right(num, 1)
    End If
    If num > 9 Then
        Worksheets("Bingo").TextBox2.Text = Left(num, 1)
        Worksheets("Bingo").TextBox3.Text = Right(num, 1)
    End If
End Sub

Sub llamar()
    For i = 1 To 110
        Call barajar
        Dim t As Long
        t = Timer 'this starts timer
    Next i
End Sub

```

```
        Do
            DoEvents      'execute cell calculations etc to keep things
current
            'Run any other code here if you need to
        Loop Until Timer - t >= 0.2 'pauses for n seconds, have not
        tried fractions of a second yet
    Next i
End Sub
```