

VB004v1	VB2010 の実習	再帰処理	月 日
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●n の階乗を求める

```
Private Sub Button1_Click( 略
    Dim n As Long

    n = TextBox1.Text
    Label1.Text = f(n)
End Sub

Private Function f(ByVal n As Long)
    Dim Ans As Long
    Dim fn As Long

    If n > 1 Then
        fn = f(n - 1)
        Ans = n * fn
    Else
        Ans = 1
    End If
    Return Ans
End Function

Private Sub Button2_Click( 略
    Dim n As Long

    n = TextBox1.Text
    Label1.Text = g(n)
End Sub

Private Function g(ByVal n As Long)
    If n > 1 Then
        Return n * g(n - 1)
    Else
        Return 1
    End If
End Function
```