VBA常用函数

2020年3月9日

10:42

Sub shl()

MsgBox VBA.Asc("a") '将字符编码转换为数字。

MsgBox VBA.Chr(97) '将编码转化为字符。

MsgBox VBA.Chr(-13329)

End Sub

Sub shl1()

Selection.TypeText Chr(12) '相当于插入分页符。

End Sub

Sub shl2()

Dim a%, b%

For a = 1 To 9

For b = 1 To 9

If b > a Then

Exit For

Else

Selection.TypeText b & "×" & a & "=" & a \* b & Chr(9)

End If

Next b

Selection.TypeText Chr(13)

Next a

End Sub

Sub teste()

MsgBox Left("abcdefg", 3)

MsgBox Right("abcdefg", 3)

MsgBox Mid("abcdefg", 3, 4)

MsgBox Len("abcedfg")

MsgBox InStr(1, "abcdefg", "e")

MsgBox Replace("abcdefge", "e", 1)

MsgBox String(3, " 1")

MsgBox String(3, "ab") '第一参数为重复的次数，并且只重复第一个字符。

MsgBox Format("2019-9-27", "yyyy")

MsgBox Format("12", "000")

MsgBox Format("12", "fff000")

MsgBox Format("12", "\N\E000") '相当于python中转移字符r。

End Sub

Sub teste1()

Dim dt As Paragraph

For Each dt In Selection.Range.Paragraphs 'selection后面加range是因为要固定最开始选择的对象。如果不添加range那么会出现selection成为一个点，就会停止循环。

dt.Range.Select

Selection.Collapse 0

Selection.Move wdCharacter, -1

Selection.TypeText Chr(9) & Format(dt.Range, "aaaa")

Next dt

End Sub

Sub teste2()

Dim x As Paragraph, sr$, srr$

For Each x In Selection.Range.Paragraphs

sr = Mid(x.Range.Text, InStr(x.Range.Text, " "), 3)

srr = String(Int(sr / 10), "☆")

x.Range.Select

Selection.Collapse 0

Selection.Move wdCharacter, -1

If sr / 10 >= 1 Then

Selection.TypeText Chr(9) & srr

Else

Selection.TypeText "无"

End If

Next x

End Sub

'abs 绝对值

'int 取整

'IsNumeric '是否是数字

'Val '将字符串数字转为数值型数字

'Round '四舍五入函数

'Rnd '随机函数

'mod 余数运算符

Sub teste()

MsgBox Abs(-9)

MsgBox Int(9.23)

MsgBox Int(-9.23) '向小的方向取值

MsgBox IsNumeric(-9.23) '文本数字还是真正的数字都返回逻辑值，true

MsgBox IsNumeric("-9.23") '返回的逻辑值，也是true.

MsgBox IsNumeric("a")

sr = "23" 'string类型，加val转化为真正的数字

srr = Val("23")

'Sub teete()

'Dim sr%

'sr = "23"

'End Sub'这个也是一种转换文本数字为真正数字的方式。

MsgBox Round(2.36, 1)

MsgBox Round(2.36)

MsgBox Rnd \* 255

MsgBox 8 Mod 3

End Sub

工资：65200元，补助：9000元。对外培训收入：150000。网店销售额120000元。余额宝收入9600元。

Sub teste1()

Dim w As Range, sr$, n# 'As Double

For Each w In ThisDocument.Paragraphs(1).Range.Words

If IsNumeric(w.Text) Then

sr = sr & w.Text & "+"

n = Val(w.Text) + n

End If

Next w

sr = Left(sr, Len(sr) - 1)

MsgBox sr & "=" & n

End Sub

Sub shl()

Dim rng As Range

Set regex = CreateObject("vbscript.regexp")

With regex

.Global = True

.ignorecase = True

.MultiLine = True

.Pattern = "\d+"

Set rng = ActiveDocument.Paragraphs(1).Range

Set os = .Execute(rng)

For Each o In os

Num = Num + Val(o.Value)

sr = sr & o.Value & "+"

Next o

sr1 = Left(sr, Len(sr) - 1)

End With

MsgBox sr1 & "=" & Num

End Sub

Sub demo()

Dim w As Range, n%, m%

m = InputBox("请输入列数！")

For Each w In ActiveDocument.Paragraphs(1).Range.Words

If Len(w.Text) > 1 Then

n = n + 1

If n Mod m Then

Selection.TypeText w.Text & String(12 - Len(w.Text) \* 2, " ")

Else

Selection.TypeText w.Text & Chr(11)

End If

End If

Next

End Sub

'Now '当前日期与时间

'Time '当前时间

'Date '当前日期

'Year '提取年份

'Month '提取月份

'Day '提取天数

'DateSerial '合并日期

'DateAdd '

'DateDiff

'DatePart

'dateadd("yyyy\q\m\y\d\w\ww\h\n\s",数量词,日期）

'datediff("yyyy\q\m\y\d\w\ww\h\n\s",起始日期,结束日期）

'datepart("yyyy\q\m\y\d\w\ww\h\n\s",日期,）

'Hour '时

'Minute'分

'Second'秒

'TimeSerial '合并时间

'timer

Declare PtrSafe Sub Sleep Lib "kernel32" (ByVal dwMilliseconds As Long)

Sub test()

a = Timer

Sleep (300)

MsgBox Timer - a

End Sub

Sub test2() '当月倒计时

Dim w As Range

a = DateSerial(Year(Now), Month(Now()) + 1, 0) - Date

a = Format(a, "00")

ActiveDocument.Range(4, 6).Select

Selection.TypeText a

End Sub

Sub demo()

Dim idate

idate = DateSerial(Year(Now), Month(Now) + 1, 0) - Date

idate = Format(idate, "00")

ActiveDocument.Range(4, 6).Select

Selection.TypeText idate

End Sub

Sub test3() '当天倒计时

Dim sr

sr = Dir("D:\VBA\WORDVBA\第1章 Word VBA编程基础\1.22 Word VBA中的常用函数5（DIR函数应用）\\*.xlsx")

Do

sr = Dir

Loop Until sr = ""

End Sub

Sub teste1()

Dim sr$, n1%, n2$, n3$

'sr = Dir("D:\VBA\WORDVBA\第1章 Word VBA编程基础\1.22 Word VBA中的常用函数5（DIR函数应用）\员工图片\\*.png")

sr = Dir(ThisDocument.Path & "\员工图片\\*.\*")

Do

n1 = InStr(sr, "-")

n2 = Left(sr, n1 - 1)

n3 = Replace(Mid(sr, n1 + 1, 9), ".png", "")

Selection.TypeText n2 & Chr(9) & n3 & Chr(11)

sr = Dir

Loop Until sr = ""

End Sub