

VisualNeo Web

Variables simples

```
SetVar [salutation] "Hello!"
SetVar [num] 123
SetCompVar [autos[num]] "Kia"
GetCompVar [res] [autos[num]]
DeleteVar [maVar]
IsVarEmpty [maVar] [res]
TypeOf [maVar] [res]
SwapVars [maVar1] [maVar2]
Watch [maVar] "maSousRoutine"
CancelWatch [maVar]
TextToClipboard "Coucou !"
ClipboardToVar [maVar]
```

Variables composées

```
CreateArray [tab] 10, 20, 30
CreateArray [tab] "rose,vert,bleu"
ArrayAddItem [tab] "blanc"
CreateEmptyArray [tab]
SetVar [tablo(0)] "début"
ArrayLen [tablo] [res]
ArrayDelItem [tab] 3
ArrayAlphaSort [tab] ❖ 0,1,a,b
ArrayNumSort [tab]
ArrayReverse [tab]
ArrayShuffle [tabSrc] [tabDst]
ArrayCombine [tab1] [tab2] [res]
ArrayCopy [tab] [dép] [nbr] [res]
ArraySearch [tab] "rose" [res]
```

JSON

```
CreateEmptyObject [obj]
SetVar [obj(nom)] "Patrik"
LoadJSON "https://xyz" [res]
LoadAsyncJSON "https://xx" "prog"
ParseJSON '{"n":"Luc","a":11}' [res]
StringifyJSON [mon son] [res]
CsvToJson [myCsv] ";", [myJson]
```

Divers

```
ListBoxGetSelectedIndex "id" [res]
```

Math

```
Math "([nbr]+10)/100" 2 [res]
❖ 2=nbr décimales
+ - * / mod ^ ( )
Sigma(1,100,res) → 5050
Pi(1,10,res) → 3628800
pi → 3.14 e → 2.71
4C2 → 6 (comb) 4P2 → 12 (perm)
4! → 24
log 1000 → 3 ln 2 → 0.3010
pow(2,3) → 8 root 4 → 2
sin cos tan asin acos atan
sinh cosh tanh asinh acosh atanh
```

```
Random 3 [res] ❖ 0 1 2 3
RandomEx 1 3 [res] ❖ 1 2 3
SetVar [txt] "13 singes"
ToNumber [txt] [res] ❖ 13
```

Filtres

```
[prix|currency:$]
[prix|number:2]
[nom|uppercase] ❖ JEAN-LUC
[nom|lowercase] ❖ jean-luc
[nom|splitLt:"-"] ❖ Jean
[nom|splitRt:"-"] ❖ Luc
[car.model|element:1]
```

Opérateurs logiques

```
== != === !== < <= > >=
and or not
```

Stockage local

```
SetItem "pays" "France"
GetItem "pays" [res]
RemoveItem "pays"
```

Navigation

```
GotoPage "Intro"
GotoPageNum "20" ❖ déb=1
GotoFirstPage / GotoLastPage
GotoPrevPage / GotoNextPage
```

Chaînes de caractères

```
StrIns "toto" "dedans ()" 8 [res]
StrDel "coucou" 2 3 [res]
StrLen "bonjour" [res]
StrCopy "Le beau truc" 3 4 [res]
StrSearch "jo" "bonjour" [res]
StrUpper "boNjouR" [res]
StrLower "boNjouR" [res]
StrReplace "ij+ij" "ij" "xy" [res] ""
StrParse "Anne/Luc/Zoé" "/" [lst]
StrTrim "···abc··" [res]
StrTrimLeft / StrTrimRight
StrCompare "Luc" "Luc" [resvf]
UnicodeToChar 65 [var] ❖ A
CharToUnicode "A" [res] ❖ 65
EncodeToBase64 [maVar] [res]
DecodeFromBase64 [maVar] [res]
StrEncodeURI [monUri] [res]
StrDecodeURI [monUri] [res]
```

Javascript

```
SetVar [maVarNeo] 123
BeginJS
    alert("m="+Math.min(2,1,3));
    let maVarJS=$App.maVarNeo;
EndJS
```

Date et Chrono

```
DateInputGetYear [maDate] [res]
DateInputGetMonth [maDate] [r]
DateInputGetDay [maDate] [r]
DateInputGetDay [maDate] [day]
```

```
SetInterval 500 "routine" [varC]
ClearInterval [varChrono]
SetTimeout 2000 "routine" [varC]
ClearTimeout [varChrono]
Delay 1000
```

```
TimerStart "Timer1" 1000
TimerStop "Timer1"
```

Objets HTML & CSS

```
GetObjectAttribute "id" "att" [res]
SetObjectAttribute "id" "att" "val"
GetObjectStyle "id" "css" [res]
SetObjectStyle "id" "css" "val"
ClearObjectStyles "id"
GetObjectHTML "id" [res]
SetObjectHTML "id" "val"
GetObjectContext "id" [res]
SetObjectContext "id" "texte"
GetObjectInfo "id" "prop" [res]
GetObjectXY "id" [xpos] [ypos]
```

```
DuplicateObject "ids" "idd" "pg"
DuplicateObjectEx "s" "d" "p" "css"
RemoveObject "id"
ShowObject "id" "fadein" 2
HideObject "id" "fadeout" 2
❖ 0=vite, 1=50ms, 2=100ms etc.
EnableObject "id"
DisableObject "id"
DisableObjectTextSelection "id"
SetObjectBounds "id" x y l h
MoveObject "id" x y
MoveObjectIntoContainer "id" "c"
SizeObject "id" l h
RotateObject "id" "45"
ObjectEnterFullScreen "Image1"
ObjectExitFullScreen "Image1"
SetRelativePosition "id" v h
❖ v=top,middle,bottom
❖ h=left,center,right
```

```
FocusObject "id"
GetFocusedObject [res]
ObjectToFront "id"
ObjectToBack "id"
ClickObject "monBouton"
CheckCollision "id1" "id2" [resvf]
CheckFullCollision "id1" "id2" [vf]
```

```
AnimateObject "id" "5" "5" 1500
    "easeOutElastic" "routine"
AnimateObjectCSS "id" [mycss]
    2000 0 "easeOutQuad" "rout"
```

```
CreateEmptyObject [mycss]
SetVar [mycss("left")] "+=200"
SetVar [mycss("top")] "+=100"
SetObjectCSS "id" [mycss]
```

Instructions

```
If [nom] == ""
    AlertBox "Erreur!" "Vide" ""
Else
    GotoNextPage
EndIf

IfEx [age] > 30 and [nom] == "Luc"

While [nbr] < 100
    SetrVar [nbr] [nbr]+1
EndWhile
```

WhileEx [x] > 0 and [y] > 0

```
Loop 1 5 [nbr]
    jsAlert "Boucle [nbr]"
EndLoop
```

LoopDown 5 1 [nbr]

```
CreateEmptyObject [obj]
SetVar [obj.prenom] "Patrik"
SetVar [obj.age] 99
LoopObject [i] [obj]
    GetObjectHTML "id1" [q]
    SetObjectHTML "id1" "[q][i]"
EndLoop
```

ExitWhile / ExitLoop / Continue

```
Wait 1000
    AlertBox "/!\ "après 1 sec" ""
EndWait
```

```
Return ❖ sousroutine
Refresh ❖ écran
```

Événements

```
OnKeyDown / RemoveOnK...
OnMouseEvent / RemoveOnM...
OnTouchEvent / RemoveOnT...
OnWindowResize / RemoveO...
OnDocumentReady
GetThisObjectName
```

Messages

```
jsAlert "Hello"
jsConfirm "Ok Cancel ?" [res]
jsPrompt "Ville ?" "Douai" [res]
AlertBox "Titre" "Msg" "routine"
AlertBoxEx "T" "M" x y "ffff" "r"
MessageBox "T" "M" "U|D|T" "r"
MessageBoxEx "T" "M" x y ...
Exit "On ferme tout ?"
```

```
OpenDialog "monDialogPerso"
CloseDialog
```

Dessin

```
DrawRect gr id x y l h cc ep cf
DrawEllipse gr id x y l h cc ep cf
DrawCircle gr id x y r cc ep cf
DrawLine gr id x1 y1 x2 y2 cc ep
DrawPolyLine gr id "5,...,9" cc ep
DrawPolygon gr id "5,...,9" cc ep cf
DrawImage gr id fic x y l h
DrawText gr id abc x y c fs ff a
DrawClear gr
SetViewBox gr x y l h
RestoreViewBox gr
DrawPath gr id code cc ep cf
M = moveto L = lineto
H = horiz lineto V = vert lineto
C = curveto S = smooth vrs
Q = quad Bézier T = smooth vrs
A = ellipt Arc Z = closepath
```

Erreurs

```
Try
    Throw "Y a une erreur !"
Catch
    AlertBox "Err" "[lastError]" ""
Finally
    AlertBox "Finally" "Tj exéc" ""
EndTry
```

```
ConsoleLog "Toto=[toto]"
ConsoleTable "Obj=[monObj]"
```