Program Examples

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MsgBox "Hello World"		
a = 3 b = 4	' Pythagoras's Theorem	
sqrt(a^2 + b^2)	' Hypotenuse 	
Ask "Enter the number If(num < 5) then MsgBox "The Endif		
	number was less than 5"	
Elseif (num < 10) then MsgBox "The Else	number was between 5 and 10"	
Endif	number was 10 or greater"	
s1\$ = "There is always loc\$ = mid(s1\$,3,10) MsgBox loc\$ 'Answer is: ere is alw	s something you miss"	
s1\$ = "There is always loc\$ = left(s1\$,10) MsgBox loc\$ 'Answer is: There is a		
s1\$ = "There is always loc\$ = right(s1\$,10) MsgBox loc\$ 'Answer is: g you miss	3	
n = asc("A") MsgBox n 'Answer is: 65		
m\$ = chr(66) MsgBox m\$ 'Answer is: B		

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numBags = 6
m$ = str(numBags,"Includes %lg bags of fasteners")
MsgBox m$
'Answer is: Includes 6 bags of fasteners
cutLength = 6.2
m$ = str(cutLength,"Cut Length %.3f metres")
MsgBox m$
'Answer is: Cut Length 6.200 metres
'Note the %.3f denotes a floating point number with 3 decimal places
                    'v$ is a string variable
v$ = "55.8"
                    ' dd is a floating point number
dd = val(v\$)
dHalf = dd/2
                    'Now half the value of dd
MsgBox dHalf
'Answer is: 27.9
' Macro: WhileProd.mac
fnum = 0
i = 1
while (i \leq 10)
  fnum = fnum + i
  'Increment counter
  İ++
endwhile
MsgBox "Total number: %g",fnum
    ______
' Macro: ForProd.mac
fnum = 0
for (i = 1; i \le 10; i++)
  fnum = fnum + i
endfor
MsgBox "Total number: %g",fnum
' Macro To Use A Function Call
function adder()
       ' Simple function to add two numbers together
       ivar = $1 ' first argument is put into $1 ie 10
       kvar = $2
                            ' second argument is put into $2 ie 20
       ires = ivar + kvar
       return(ires) ' return the sum of the numbers to the calling macro
endfunction
' Main line of macro
i = 10
                             'Set two variables i and k
k = 20
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'Call adder with the variables i and k
ires = adder(i,k) ' This will return the number 30
                      ' Put the result of 30 on the screen
MsgBox ires
       File Write Example
filename$ = "C:\\devel\\eroof\\testout.txt"
                                             ' filename - note requires two back slashes
between folder names
iLunw = open(filename$, "w")
                                                             ' Open file for writing and iLunw
is set to the Logical Unit Number for the file
if(iLunw) then
       write(iLunw, "Hello World\n")
                                                             ' write line - note the New Line
character \n
                                                   ' write line
       write(iLunw, "This is from a Macro\n")
                                                                            ' Close the file
       close(iLunw)
else
       MsgBox "Error: Could Not Open .." + filename$
endif
       File Read Example
' filename - note requires two back slashes between folder names
filename$ = "C:\\devel\\eroof\\testin.txt"
Open file for reading and iLunr is set to the Logical Unit Number or Handle for the file
iLunr = open(filename$, "r")
if(iLunr) then
       ReadNextLine Flag = 1
                                             'Set the Read Next Line Flag to true
               Now read the file one line at a time in following while loop
       while(ReadNextLine Flag)
               line
               'Check that the End Of File marker EOF$ has NOT been found
               if(NOT(searchstr(sinput$,EOF$))) then
                      MsgBox sinput$
                                             Line read successfully
                       ' ... code here to process line ...
               else
                       ' End Of File marker encountered so Set ReadNextLine Flag to false
                      ReadNextLine_Flag = 0
                      close(iLunr)
                                                     ' Close the file
               endif
       endwhile
else
       MsgBox "Error: File Not Found .." + filename$
endif
```