```
$1 = NAME[1:1]
if ($1 < "M")
     message "NAME starts A-L"
elseif ($1 > "M")
     message "NAME starts N-Z"
else
     message "NAME starts M"
endif


variables
     numeric vCounter
     numeric vLoops
endvariables
vLoops = 0
for vCounter = 100 to 0 step -2
     vLoops += 1
     putmess "Counter: %%vCounter, Loop count: %%vLoops "
     if (vLoops >= 6)
          putmess "Loop processing stopped"
          break
     endif
endfor


; str1 is a string
; num1 is a numeric
; float1 is a float
; raw1 is a raw
str1 = "-1,234.56"
num1 = -123456
float1 = -1234.56
raw1 = "{!{#{%{'"
strlength = $length(str1) ; strlength = 9
numlength = $length(num1) ; numlength = 7
floatlength = $length(float1) ; floatlength = 8
powerlength = $length($power(2,10)) ; powerlength = 4

vString1="xxxxUniface"
vString2 = $ltrim(vString1,"x")
; vString2 now contains "Uniface"
vString = $ltrim("xxxxUnifacexxxx",$regex("x"))
; vString now is "Unifacexxxx"
vString = $ltrim("xxxx",$regex("x"))
; vString now is ""vString =
$ltrim("1111234567890111uniface",$regex("\d"))
```

```
      ; vString now is "uniface"


operation FACTORIAL
params
      numeric N : IN
      numeric F : OUT
endparams
variables
      numeric W
endvariables

if ( N > 1 )
      W = N - 1
      activate "calculator".FACTORIAL (W, F)
      F = N * F
else
      if ( N = 1 )
            F = 1
      else
            F = 0
      endif
endif
end ; operation FACTORIAL

operation GETXMLITEM
; Get an item or set of items from an XML stream
; using XPATH patterns.
; Modify an XSLT stylesheet using the $replace
; function, and then activate USYSXSLT.
params
      numeric I_STATUS : OUT
      string I_STATUSCONTEXT : OUT
      string I_XML : IN
      string XNODE : IN
      string XVALUE : IN
      string I_VALUE : OUT
endparams
variables
      string XSLTFILE
endvariables
fileload "getitem.xsl", XSLTFILE
XSLTFILE = $replace(XSLTFILE, 1, "TargetNode", XNODE)
XSLTFILE = $replace(XSLTFILE, 1, "TargetValue", XVALUE)
filedump XSLTFILE, "getitemtemp.xsl"


activate "USYSXSLT".XMLTRANSFORM(I_XML, "getitemtemp.xsl", " ",
I_VALUE, I_STATUS, I_STATUSCONTEX
T)
end ; operation GETXMLITEM
```

```
trigger quit
; check for modifications: if no changes
; end and set $status = 0
; return -1 prevents user from leaving form
if ($formmod = 0)
     return
else
     askmess "Data modified! Do you want to store? (Y/N)"
     if ($status = 1)
          store
          if ($status < 0)
               message "Store error number %%$status%%%"
               return (-1)
          endif
     else
          return (0) ;leave form without storing
     endif
endif
end ; quit


vInput="UNIFACExxxx"
vOutput = $rtrim(vInput,"x")
; vOutput now contains "UNIFACE"
vString = $rtrim("xxxxUnifacexxxx",$regex("x"))
; vString now is "xxxxUniface"
vString = $rtrim("xxxx",$regex("x"))
; vString now is ""
vString = $rtrim("uniface1111234567890111",$regex("\d"))
; vString now is "uniface"


selectcase vVariable
     case "" ;an empty string
          message "vVariable is empty"
     case "ABC" ;a string
          message "vVariable is ABC"
     case "abc" ;a string
          message "vVariable is abc"
     case 'a*' ;a syntax string
          message "vVariable matches syntax a*"
     case "DEF%%$2XYZ%%%" ;a string
          message "vVariable is DEF%%$2XYZ%%%"
     case 123 ;an ordinary number
          message "vVariable is 123"
     case 1.23e_+13 ;a floating point number
```

```
            message "vVariable is 1.23e_+13"
      case MYFIELD.MYENTITY ;a field with value "abc"
            message "vVariable is abc"
      case $date ;a date
            message "vVariable is today"
      case $date + 7 ;a date
            message "vVariable is one week from today"
      elsecase
            message "vVariable is not what we expected"
endselectcase



; this code selects the occurrence of F2.E1
; that matches NAME_NM
if (F2.E1 != NAME_NM)
      $CURR_OCC$ = $curocc
      $NAME$ = NAME_NM
      $COUNTER$ = 1
      setocc "E1", $COUNTER$
      while ((F2.E1 != $NAME$) & ($status >= 0))
            $COUNTER$ = ($COUNTER$ + 1)
            setocc "E1", $COUNTER$
      endwhile
      if ($status < 0)
            message "%%$NAME$ is not available."
            setocc "E1", $CURR_OCC$
            return (-1)
      endif
endif
$prompt = F2.E1
```