ESPL Calls

Any DYO row may call a function written in the Ensign Software Programming Language (ESPL). The call is made using a selection in the ESPL Call category. Wisely choose a selection that will minimize the calculation burden. For example, call the ESPL function for just the visible bars when a calculation is not needed for those bars that are off the screen.

Parameters - The DYO call will pass 5 parameters to the ESPL function in this order.

Index	The bar's index in the range of 2 through Bar Count.
V	The value of the Variable referenced by the DYO row.
#2	The value from the Selection #2 field.
#3	The value from the Selection #3 field.
#4	The value from the Selection #4 field.

Result - ESPL functions return their value in a variable named Result. The returned value is assigned to both the DYO row Variable and to the DYO row array.

Selection #1 & #3

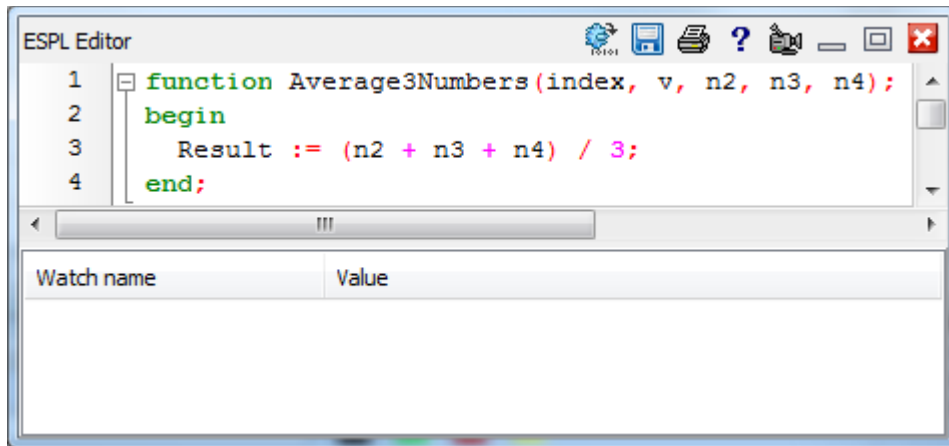if Index in Visible Bars then

--- ESPL Function ---
V := Label (Index, V , #2, #3, #4)

--- Index Tests ---
if Index >= Bar Count - [#] then
if Index in Visible Bars then
if Index = 1st Visible Bar then
if Index = [#] then
if Index = #2 then

--- Boolean Tests ---
if #2 then
if # then
if ## then

Editor - Click the ESPL button to open the ESPL Editor.   Here is a simple example script.

This function returns the average of the 3 Selection field values passed as parameters. See the ESPL documentation for a full description of the statements available for writing ESPL code.

Name - The name of the function to call is placed in the Label field of the DYO row. If the Label field is left blank, a default name made from double the DYO row letter will be used.   Example: Call function BB for a call made from row B when row B does not have a label.