# Obtaining the Workshop Materials

Either

* Open your browser to <https://github.com/Dyalog19/SA3/archive/master.zip>
  + Download/save the file

Or

* Copy the master.zip file from the flash drive available in the workshop

Then

* Unzip the file (preferably to somewhere easy to type)  
  The folder name is SA3-master. Rename this to SA3 if you can.  
  We'll refer to this folder as [SA3] in examples, and you should replace [SA3] with the folder you unzipped to.  
  For example, if you unzipped to the root of c:\ and renamed the folder from c:\SA3-master to c:\SA3, when you see the example:

]load [SA3]/Demos/\*

You'll enter

]load c:/SA3/Demos/\*

# Try this...(Properties)

'hr' ⎕WC 'HTMLRenderer' ('HTML' 'Hello World!')

OR

hr ← ⎕NEW 'HTMLRenderer'(,⊂'HTML' 'Hello World!')  
  
 hr.Caption←'My HTMLRenderer'  
 hr.HTML←'<h1>Hi!</h1>'  
 hr.Size←100 100  
 hr.(Size Posn)←(25 25)(25 25)  
 hr.Coord  
 hr.Coord←'ScaledPixel'  
 hr.(Size Posn)  
 hr.Posn←25 25

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HTMLRenderer Properties as implemented as of 5 Sept 2019** | | | | | |
| Property | Windows | Mac OS | Linux |  |  |
| Type | **+** | **+** | **+** |  | **\* indicates settable at creation time only** |
| HTML | **+** | **+** | **+** |  | **+ indicates it works** |
| Posn | **+** | **+** | **+** |  | **- indicates it has no effect** |
| Size | **+** | **+** | **+** |  | **! Indicates it produces an error** |
| URL | **+** | **+** | **+** |  |  |
| Coord | **+** | **+** | **+** |  |  |
| Border \* | **-** | **-** | **-** |  |  |
| Visible | **+** | **+** | **+** |  |  |
| Event | **+** | **+** | **+** |  |  |
| Sizeable \* | **+** | **+** | **-** |  |  |
| Moveable \* | **-** | **-** | **-** |  |  |
| SysMenu \* | **+** | **-** | **-** |  |  |
| MaxButton \* | **+** | **-** | **-** |  |  |
| MinButton \* | **+** | **+** | **-** |  |  |
| IconObj | **+** | **!** | **!** |  |  |
| Data | **+** | **+** | **+** |  |  |
| Attach | **+** | **!** | **!** |  |  |
| KeepOnClose | **+** | **+** | **+** |  |  |
| AsChild | **+** | **!** | **!** |  |  |
| InterceptedURLs | **+** | **+** | **+** |  |  |
| CEFVersion | **+** | **+** | **!** |  |  |
| Caption | **+** | **+** | **+** |  |  |
| MethodList | **+** | **+** | **+** |  |  |
| ChildList | **+** | **+** | **+** |  |  |
| EventList | **+** | **+** | **+** |  |  |
| PropList | **+** | **+** | **+** |  |  |

# Try this...(URL vs HTML) 'hr' ⎕WC 'HTMLRenderer' ('URL' 'www.google.com')('HTML' 'Hi!') hr.URL←'www.dyalog.com' hr.URL←'dyalog\_root' hr.URL←'www.dyalog.com' hr.URL←''

# Try this...(Callbacks) )clear ]load HttpUtils ]load [SA3]/Demos/SimpleForm SimpleForm ''

# Try this…(MsgBox)

)clear  
 ]load [SA3]/Utilities/MsgBox  
 mb←⎕NEW MsgBox   
 mb.Caption←'Are you sure?'   
 mb.Style←'query'  
 mb.Text←'Engage ludricrous speed Captain?'  
 btnClicked←mb.Run

# EasyGUI

]link.create # [SA3]/Utilities/EasyGUI

)CS APLSource.UserFunctions

msg←'Is it break time yet?'  
AskYesNo msg  
ns←specifyParams ''  
ns.Title←'SA3 Workshop'  
ns.Posn←0 0

ns AskYesNo msg  
countries←'USA' 'Canada' 'Ireland' 'UK'  
SelectMultipleCheckbox countries

⍝ Use the same ns we created from before, on any function  
ns SelectMultipleCheckbox countries

ns←specifyParams 'Title' 'Select a country'  
ns.BtnCaption←'Submit countries'  
ns.Size←40 40

ns.Theme←##.Themes.Dark

ns.Header←'Please select countries you have been to'

ns SelectMultipleCheckbox countries

⍝ JavaScript example

path←FindFile 'Find the countries.csv file'

countries←,⎕CSV path ⍝ Vector of countries

SelectMultipleDropdown countries

⍝ Notifications

NotifyError 'Invalid syntax!'

(specifyParams('Header' 'Easily display data')('Size' 60 60))NotifyInfo 5 4⍴⎕A

⍝ Graphics

DisplaySVG ##.Demo.svg

ref←DisplayProgressBar 0 10 ⍝ Min Max

ref.setProgress 3

##.Demo.TestProgress ⍝ Add some Styling and Program Control

##.Demo.SimpleInterestApp2 '' ⍝ Leveraging the underlying class

# Try this...(DUI Page class)

)clear  
 ]load [SA3]/DUI/DUI  
 ]load [SA3]/Demos/I\*  
 InputDemo  
 InputDemo2 ''

# Try this...(DUI MiSite)

)clear  
 ]load [SA3]/DUI/DUI  
 DUI.Run '[SA3]/Demos/2048/'

# Try this... (WebSockets)

)clear  
 ]load [SA3]/Demos/Web\*  
 WebSocketDemo ''

# Try this... (DoPopup)

)clear  
 ]load [SA3]/Demos/DoPop\*  
 DoPopupDemo ''

DoPopupDemo2 ''

# Try this…(cubeDemo)

)clear  
 ]load [SA3]/Demos/cubeDemo  
 cubeDemo '[SA3]'