jeforthVM -- the javascript eforth VM

jeForthVM.js is a javascript source code running as a **multi task jeforth VM** with initially three jeforth words **'root'**, **'code'**, and **'dbg'** on web client or server html pages. This VM could be involved by <script src= **"./jeForthVM.js"**> </script>. Please check demos: **jefvm0.html**, **jefvm1.htm1**, or **movingEffect.htm**. A node.js (or node-webkit) server program could involve this VM, via require(**"./jeForthVM.js"**). Please check demos: **jefvm0.bat**, **jefvm1.bat**, or **jefvm2run.bat**.

The word 'root'

This is a primitive root **vocabulary** having three jeforth word words **'root'**, **'code'**, and **'dbg'** initially. Please check topic 06 **vocTest** (using UP/DOWN key to select topic) in jefvm1.htm1 to see how a **new vocabulary/word** could be defined, and how an **appropriate vocabulary/word** among vocabularies could be selected and be used properly.

The word 'code'

This jeforth word could be used to define a **new jeforth words** by assigning a java script anonymous function to the new word. In jefvm1.htm1, a lot of new jeforth words defined as demos in topics **default**, **basic01**, **vocTest**, and **multiTask**. Also, this jeforth word could be used to define **new js functions** in order to be called by jeforth words. Please check topic 05 **jsFunctionTest** in jefvm1.html.

The word 'dbg'

This jeforth word is used to easy trace or debug a defined jeforth word. Setting breakpoint in jeForthVM.js at **BP0**, of its corresponding javascript function, could halt the VM if **dbg** alone (having no any following word) is being executed. Otherwise, for example, **dbg xyz**, the following word xyz will be put into debugged list so that setting breakpoint **BP1** in jeForthVM.js could halt the VM if any word in the list is being executed.

jefvm0.html

This is a web client html page used as a simple demonstration showing how to involve this javascript eforth VM via <script src= **"./jeForthVM.js"**> </script>.

jefvm0.bat

Double click this batch command file will start a node-webkit web server (local host) html page showing how to involve this javascript eforth VM via require(**"./jeForthVM.js"**).

jefvm1.html

This is a web client html page with local storage used as a demonstration showing how to involve, test, and debug jeForthVM.js.

jefvm1.bat

Double click this batch command file will start a node-webkit web server (local host) html page with local storage used as a demonstration showing how to involve, test, and debug jeForthVM.js.

01. topics

showing all the topics

02. default

showing how to define new jeforth words

03. basic01

showing how to define a few basic jeforth words

04. basic02
showing how to test the basic jeforth words just defined

05. jsFunctionTest
showing how to define a java script function to be used in
jeforth words

06. vocTest
showing how to define and use jeforth words in vocabularies

07. multiTask
showing how to define jeforth words for multi tasking

08. multiTask1
showing how to start multi tasks

jefvm2run.bat
Double click this batch command file will start a process running 'node
jefvm2.js' with file system I/O as yet another demonstration showing how
to involve and test jeForthVM.js.

multiTaskJavascriptEforthOutput.html
showing multi tasking demostration log output.

specialEffect.htm
another web client html page multi tasking demostration of special effect
moving objects.