NAME

HTMLUtil

SYNOPSIS

use HTMLUtil;

use HTMLUtil qw(:all);

DESCRIPTION

HTMLUtil module provides the following functions:

InsertHTMLTags, SetupHTMLAlignmentBegin, SetupHTMLAlignmentEnd, SetupHTMLButtonRef, SetupHTMLDivBegin, SetupHTMLDivEnd, SetupHTMLEmptyLines, SetupHTMLHRef, SetupHTMLPageEnd, SetupHTMLPageHeader, SetupHTMLPageTitle, SetupHTMLStyleSheetTags, SetupHTMLTableColumnEnd, SetupHTMLTableColumnHeader, SetupHTMLTableEnd, SetupHTMLTableHeader, SetupHTMLTableRowDataValue, SetupHTMLTableRowEnd, SetupHTMLTableRowHeader, SetupHTMLTableRowHeaderValue, SetupJavaScriptCmds, SetupStrViewerAccelrysActiveX, SetupStrViewerChem3DActiveX, SetupStrViewerChemDrawActiveX, SetupStrViewerChemDrawPlugIn, SetupStrViewerChimePlugIn, SetupStrViewerJMEApplet, SetupStrViewerJSInitCmd, SetupStrViewerJmolApplet, SetupStrViewerMarvinViewApplet

FUNCTIONS

InsertHTMLTags

```
$NewTag = InsertHTMLTags($Tag, @TagsNameValue);
```

Inserts tag name and value pair from *TagsNameValue* into a exisiting *Tag* as *TagName* = *"TagValue"* and returns NewTag string.

SetupHTMLAlignmentBegin

```
$AlignmentTag = SetupHTMLAlignmentBegin([$Alignment]);
```

Returns an alignment begin tag string. Possible *Alignment* values: *left, center, or right*. Default: *left*.

SetupHTMLAlignmentEnd

```
$AlignmentTag = SetupHTMLAlignmentBegin([$Alignment]);
```

Returns an alignment end tag string.

SetupHTMLButtonRef

```
$ButtonTag = SetupHTMLButtonRef($ButtonLabel, $FileName);
```

Returns a button tag string for associating onClick button event of a button with label *ButtonLabel* to open a file *FileName*.

SetupHTMLDivBegin

```
$DivTag = SetupHTMLDivBegin($ID);
```

Returns a div begin tag string for div *ID*.

SetupHTMLDivEnd

```
$DivTag = SetupHTMLDivEnd();
```

Returns a div end tag string.

SetupHTMLTableEnd

```
$TableEndTag = SetupHTMLTableEnd();
```

Returns a table end tag string.

SetupHTMLEmptyLines

```
$EmptyLineTags = SetupHTMLEmptyLines([$LineCount]);
```

Returns an empty lines tag string for empty *LineCount*. Default line count: *1*.

SetupHTMLPageHeader

```
$PageHeaderTag = SetupHTMLPageHeader($HeaderTitle, [$Stylesheet,
```

```
                        $JavaScript]);
```

Returns a page header tag string using *HeaderTitle* and using optionally specifed values for *Stylesheet* and *JavaScript*.

SetupHTMLHRef

```
$HRef = SetupHTMLHRef($Label, $URL, [$Title]);
```

Returns a HRef tag string for setting up a URL with *Label* and *URL* with optional *Title*.

SetupHTMLPageEnd

```
$PageEndTag = SetupHTMLPageEnd([$FooterMsg]);
```

Returns a page end tag string conating optional *FooterMsg*.

SetupHTMLPageTitle

```
$PageTitleTag = SetupHTMLPageTitle($Title, [$Alignment]);
```

Returns a page title tag string with optional alignment. Valid alignment value: *left*, *center*, *right* Default alignment: *center*.

SetupHTMLStyleSheetTags

```
$StyleSheetTags = SetupHTMLStyleSheetTags();
```

Returns a default style sheet tag string to be used for HTML files generated by MayaChemTools.

SetupHTMLTableHeader

```
$TableHeaderTags = SetupHTMLTableHeader([$BorderWidth,
                    $CellPadding, $CellSpacing, $Width, $Height]);
```

Returns a table header tag string containing specified values for *BorderWidth, CellPadding, CellSpacing, Width, and Height*. Default values: *BorderWidth = 1; CellPadding = 2; CellSpacing = 0; Width = NotUsed; Height = NotUsed*.

<SetupHTMLTableEnd>

```
$TableEndTag = SetupHTMLTableEnd();
```

Returns a table end tag string.

SetupHTMLTableColumnHeader

```
$ColumnHeaderTag = SetupHTMLTableColumnHeader([$BgColor, $Width]);
```

Returns a table column header tag string containing specified values for *BgColor*, *Width*. Default values: *BgColor = NotUsed; Width = NotUsed*.

SetupHTMLTableColumnEnd

```
$ColumnEndTag = SetupHTMLTableColumnEnd();
```

Returns a table column end tag string.

SetupHTMLTableRowHeader

```
$RowHeaderTag = SetupHTMLTableRowHeader([$HAlignment, $BgColor,
                $VAlignment]);
```

Returns a table row header tag string containing specified values for *HAlignment*, *BgColor*, *and VAlignment*. Default values: *HAlignment = center; $BgColor = NotUsed; $VAlignment = top*.

SetupHTMLTableRowEnd

```
$RowEndTag = SetupHTMLTableRowEnd();
```

Returns a table row end tag string.

SetupHTMLTableRowHeaderValue

```
$HeaderValueTag = SetupHTMLTableRowHeaderValue([$Value]);
```

Returns a table header row tag string using specifed *Value*. Default value: *EmptySpace*.

SetupHTMLTableRowDataValue

```
$RowValueTag = SetupHTMLTableRowDataValue([$Value, $BgColor,
               $FontColor, $FontBold]);
```

Returns a table row column value tag string using specified values for *Value*, *BgColor*, *FontColor*, *and FontBold*. Default values: *Value = EmptySpace; BgColor = NotUsed; FontColor = NotUsed; $FontBold = NotUsed*.

SetupJavaScriptCmds

```
$JSTag = SetupJavaScriptCmds(@JSCmdList);
```

Returns a Java script tag string using java script commands specified in *JSCmdList*.

SetupStrViewerJSInitCmd

```
$JSTag = SetupStrViewerJSInitCmd($StrViewerType, $CodeBase);
```

Returns a Java script command tag string for intializing structure viewers with specified *CodeBase* location for viewers to be invoked as Java Applets. Supported values for *StrViewerType*: *Jmol*, *ChemDrawPlugIn*, *ChemDrawActiveX*, *Chem3DActiveX*.

SetupStrViewerJMEApplet

```
$JMEAppletTag = SetupStrViewerJMEApplet($MolString, $CodeBase,
                [{param => "value"}]);
```

Returns a JME tag string for displaying molecule using *MolString* along with valid optional applet parameters specified as name and value pairs. Defaul JME parameter values: *name = JME; id = JME; width = 250; height = 170*.

SetupStrViewerJmolApplet

```
$JmolAppletTag = SetupStrViewerJmolApplet($MolString, $CodeBase,
                 [{param => "value"}]);
```

Returns a JMol tag string for displaying molecule using *MolString* along with valid optional applet parameters specified as name and value pairs. Defaul JMol parameter values: *name = Jmol; id = Jmol; width = 250; height = 170; progressbar = true; progresscolor = 0000ff; bgcolor = 000000; JMolScript = select *; set frank off; wireframe on; spacefill off*.

SetupStrViewerMarvinViewApplet

```
$MarvinAppletTag = SetupStrViewerMarvinViewApplet($MolString,
                   $CodeBase, [{param => "value"}]);
```

Returns a MarvinView tag string for displaying molecule using *MolString* along with valid optional applet parameters specified as name and value pairs. Defaul MarvinView parameter values: *name = MView; id = MView; width = 250; height = 170; navmode = zoom*.

SetupStrViewerChimePlugIn

```
$ChimePlugInTag = SetupStrViewerChimePlugIn($MolFile,
                  [{param => "value"}]);
```

Returns a MDL Chime tag string for displaying molecule using *MolFile* along with valid optional parameters specified as name and value pairs. Defaul Chime parameter values: *width = 250; height = 170; display2d = true*.

SetupStrViewerChem3DActiveX

```
$ChemDraw3DActiveXTags = SetupStrViewerChemDrawActiveX($MolFile,
                         [{param => "value"}]);
```

Returns a CambridgeSoft Chem3D tag string for displaying molecule using *MolFile* along with valid optional parameters specified as name and value pairs. Defaul Chime parameter values: *width = 250; height = 170; displaytype = BallAndStick; rotationbars = false; moviecontroller = false*.

SetupStrViewerChemDrawActiveX

```
$ChemDrawActiveXTags = SetupStrViewerChem3DActiveX($MolFile,
                       [{param => "value"}]);
```

Returns a CambridgeSoft ChemDraw ActiveX tag string for displaying molecule using *MolFile* along with valid optional parameters specified as name and value pairs. Defaul ChemDraw ActiveX parameter values: *width = 250; height = 170; ViewOnly = 1; ShrinkToFit = 1; ShowToolsWhenVisible = 1*.

SetupStrViewerChemDrawPlugIn

```
$ChemDrawPlugInTag = SetupStrViewerChemDrawPlugIn($MolFile,
                     [{param => "value"}]);
```

Returns a CambridgeSoft ChemDraw PlugIn tag string for displaying molecule using *MolFile* along with valid optional parameters specified as name and value pairs. Defaul ChemDraw PlugIn parameter values: *width = 250; height = 170; ViewOnly = 1; ShrinkToFit = 1; ShowToolsWhenVisible = 1*.

SetupStrViewerAccelrysActiveX

```
$AccelrysActiveXTags = SetupStrViewerAccelrysActiveX($MolFile,
                       [{param => "value"}]);
```

Returns a Accelrys ViewerActiveX tag string for displaying molecule using *MolFile* along with valid optional parameters specified as name and value pairs. Defaul ViewerActiveX parameter values: *width = 250; height = 170; Convert2Dto3D = 0; Mouse = 4*.

AUTHOR

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