

```

with this///Â Â Â # FUNCTIONS
Â Â Â # with the list, calculate the length of the longest function name
Â Â Â # Â Â add 2 for "()" to get true max displayed length
Â Â Â _sh_fn_max_len=$(( $(get_longest $sh_fn_list) + 2 ))
Â Â Â d_message "_sh_fn_max_len: ${_sh_fn_max_len}" 4
Â Â Â # determine the offset to the function description column - this is where the cursor
or
Â Â Â # Â Â will be when echo_n_long is called to smart-wrap the description
Â Â Â # Â Â Math: _sh_fn_max_len + 2c.Lpad + 2c.dots(min) + 2c.Rpad
Â Â Â _sh_fn_col=$(_sh_fn_max_len+6)
Â Â Â d_message "_sh_fn_col: ${_sh_fn_col}" 4
Â Â Â # assign the number of the column to which to indent any subsequent lines of the description
Â Â Â _sh_fn_indent="${_sh_fn_col}" Â Â # for now, wrap/indent to align directly under start point
Â Â Â # assign the internal separator to appear between function name and padding
Â Â Â _sh_fn_sep=" "
Â Â Â # calculate length of the column (between the gutters) to be passed to pad()-->echo_n_long()
Â Â Â _sh_fn_col_width=$(( _sh_fn_max_len + ${#_sh_fn_sep} - 1 ))

Â Â Â # METADATA
Â Â Â # calculate the length of the longest metadata label to determine the printf column width
Â Â Â # Â Â for metadata (these are known a priori, but change) Â Â
Â Â Â _sh_tag_list="usage arguments variables dependencies requirements"
Â Â Â _sh_tag_list="${_sh_tag_list} rules notes warning unknown"
Â Â Â _sh_tag_max_len=$(get_longest $sh_tag_list)
Â Â Â d_message "_sh_tag_list: ${_sh_tag_list}" 4
Â Â Â d_message "_sh_tag_max_len: ${_sh_tag_max_len}" 4
Â Â Â # determine the offset to the metadata payload column - this is where the cursor
Â Â Â # Â Â will be when echo_n_long is called to smart-wrap the metadata payload
Â Â Â # Â Â Math: _sh_tag_max_len + 4c.Lpad + 2c.dots(min) + 2c.Rpad
Â Â Â _sh_tag_col=$(_sh_tag_max_len+8)
Â Â Â d_message "_sh_tag_col: ${_sh_tag_col}" 4
Â Â Â # assign the number of the column to which to indent any subsequent lines of metadata payload
Â Â Â _sh_tag_indent="${_sh_tag_col}" Â Â # for now, wrap/indent to align directly under start point
Â Â Â # assign the internal separator to appear between metadata label and padding
Â Â Â _sh_tag_sep=":"
Â Â Â # calculate the length of the column (between the gutters) to be passed to pad()
Â Â Â _sh_tag_col_width=$(( _sh_tag_max_len + ${#_sh_tag_sep} - 2 ))
///i get this///Â summarize_header
* looking for headers in /home/joe/myUtilities/dev-util
/script_header_joetoo/testing/script_header_joetoo*

```

---[ bash-0.0.0 (19620207) (content summary) ]-----

\* This script header defines common variables, ANSI  
Â sequences, and the following functions/utilities as  
Â described below:

---[ bash-0.0.0 (19620207) (script\_header\_joetoo\_testdum  
my) ]

warning: ..... <empty>  
 SCP() ..... (ANSI) save the current cursor  
 RCP() ..... (ANSI) restore the cursor to  
 the saved position  
 HCU() ..... (ANSI) Hide the cursor (Note:  
 the trailing character is  
 lowercase L)  
 isnumber() ..... (POSIX) deprecated - use  
 isint(); tests if \$1 is an  
 integer  
 W\_message() ..... (POSIX) display text warning  
 message \$@  
 E\_message() ..... (POSIX) display text error  
 message \$@  
 E\_message\_n() ..... (POSIX) display text error  
 message \$@ (no CR)  
 \_d\_build\_and\_print() . Internal helper: Not for  
 direct use.

\* To run functional tests, use: demonstrate\_me  
 ---[ gmki91 (complete) ]-----  
 joe@gmki91 ~/myUtilities/dev-util/script\_header\_joetoo \$  
 VERBOSE=\$TRUE verbosity=5 summarize\_header  
 \* looking for headers in /home/joe/myUtilities/dev-util  
 /script\_header\_joetoo/testing/script\_header\_joetoo\*

---[ bash-0.0.0 (19620207) (content summary) ]-----  
 \* This script header defines common variables, ANSI  
 sequences, and the following functions/utilities as  
 described below:

---[ bash-0.0.0 (19620207) (script\_header\_joetoo\_testdum  
 my) ]  
 \* \_sh\_fn\_max\_len: 20  
 \* \_sh\_fn\_col: 26  
 \* \_sh\_tag\_list: usage arguments variables dependencies  
 requirements rules notes warning unknown  
 \* \_sh\_tag\_max\_len: 12  
 \* \_sh\_tag\_col: 20  
 \* \_sh\_line: toc() # table of contents (this fn just cal  
 ls summarize\_header  
 \* \_sh\_fn\_name: [toc()]  
 \* #\_sh\_fn\_name: 5  
 ..... Â table of contents (this fn  
 just calls  
 summarize\_header  
 \* \_sh\_line: # @note this is a test line intended to wra  
 p describes the usage syntax, options, and arguments for  
 a function  
 \* \_sh\_line: ..... Â this is a test line intended to wrap  
 describes the usage syntax, options,  
 and arguments for a function  
 \* \_sh\_line: # @note lines below starting '#' followed by  
 ' @xxx' are interpreted by summarize\_header as metadat  
 a  
 \* \_sh\_line: ..... Â lines below starting '#' followed by  
 ' @xxx'  
 \* \_sh\_line: # @usage @usage describes the usage syntax,  
 options, and arguments for a function  
 \* \_sh\_line: # @args @args defines positional parameters  
 (\$1, \$2, etc) and their roles  
 \* \_sh\_line: ... Â <empty>  
 \* \_sh\_line: # @vars @vars identifies global variables r  
 equired or modified by the function  
 \* \_sh\_line: ... Â <empty>  
 \* \_sh\_line: # @deps @deps lists function, script, or pa



. Â Internal helper: Not for  
Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â Â direct use.

\* To run functional tests, use: demonstrate\_me

---[ gmki91 (complete) ]-----

```
joe@gmki91 ~/myUtilities/dev-util/script_header_joetoo $  
x=" Â RCP() ..... Â "; echo ${#x}  
26  
joe@gmki91 ~/myUtilities/dev-util/script_header_joetoo $  
y=" Â Â Â notes: ..... Â "; echo ${#y}  
20  
/// can you explain why I basically have to undo what I thought was necessary to accurately  
keep track of where the cursor is so I can tell echo_n_long ?
```