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1| #! /usr/bin/env raku
2|
3| # Tangle a Semi-literate file into a working Raku file.
4| # © 2023 Shimon Bollinger. All rights reserved.
5| # Last modified: Wed 06 Sep 2023 03:47:56 PM EDT
6| # Version 0.0.1
7|
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8|
9| use Semi::Literate;
10|
11| #| The actual program starts here.
12| multi MAIN (
13|     Str $input-file;
14|     Str :o(:$output-file) = '';
15| ) {
16|     my Str $raku-source = tangle $input-file;
17|
18|     my $output-file-handle = $output-file      ??
19|                             open(:w, $output-file) !!
20|                             $*OUT;
21|
22|     $output-file-handle.spurt: $raku-source;
23| } # end of multi MAIN ( )
24| =begin pod
25|
26| =head1 NAME
27|
28| <application name> - <One line description of application's purpose>
29|
30| =head1 VERSION
31|
32| This documentation refers to <application name> version 0.0.1
33|
34| =head1 SYNOPSIS
35|
36|     # Brief working invocation example(s) here showing the most common usage(s)
37|
38|     # This section will be as far as many users ever read
39|     # so make it as educational and exemplary as possible.
40|
41| =head1 REQUIRED ARGUMENTS
42|
43| A complete list of every argument that must appear on the command line.
44| when the application is invoked, explaining what each of them does, any
45| restrictions on where each one may appear (i.e. flags that must appear
46| before or after filenames), and how the various arguments and options
47| may interact (e.g. mutual exclusions, required combinations, etc.)
48|
49| If all of the application's arguments are optional this section
50| may be omitted entirely.
51|
52| =head1 OPTIONS
53|
54| A complete list of every available option with which the application
55| can be invoked, explaining what each does, and listing any restrictions,
56| or interactions.
57|
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58| If the application has no options this section may be omitted entirely.
59|
60| =head1 DESCRIPTION
61|
62| A full description of the application and its features.
63| May include numerous subsections (i.e. =head2, =head3, etc.)
64|
65| =head1 DIAGNOSTICS
66|
67| A list of every error and warning message that the application can generate
68| (even the ones that will "never happen"), with a full explanation of each
69| problem, one or more likely causes, and any suggested remedies. If the
70| application generates exit status codes (e.g. under Unix) then list the exit
71| status associated with each error.
72|
73| =head1 CONFIGURATION AND ENVIRONMENT
74|
75| A full explanation of any configuration system(s) used by the application,
76| including the names and locations of any configuration files, and the
77| meaning of any environment variables or properties that can be set. These
78| descriptions must also include details of any configuration language used
79|
80| =head1 DEPENDENCIES
81|
82| A list of all the other modules that this module relies upon, including any
83| restrictions on versions, and an indication whether these required modules are
84| part of the standard Perl distribution, part of the module's distribution,
85| or must be installed separately.
86|
87| =head1 INCOMPATIBILITIES
88|
89| A list of any modules that this module cannot be used in conjunction with.
90| This may be due to name conflicts in the interface, or competition for
91| system or program resources, or due to internal limitations of Perl
92| (for example, many modules that use source code filters are mutually
93| incompatible).
94|
95| =head1 BUGS AND LIMITATIONS
96|
97| A list of known problems with the module, together with some indication
98| whether they are likely to be fixed in an upcoming release.
99|
100| Also a list of restrictions on the features the module does provide:
101| data types that cannot be handled, performance issues and the circumstances
102| in which they may arise, practical limitations on the size of data sets,
103| special cases that are not (yet) handled, etc.
104|
105| The initial template usually just has:
106|
107| There are no known bugs in this module.
108| Patches are welcome.
109|
110| =head1 AUTHOR
111|
112| Shimon Bollinger (deoac.shimon@gmail.com)
113|
114| =head1 LICENCE AND COPYRIGHT
115|
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116| © 2023 Shimon Bollinger. All rights reserved.  
117|  
118| This module is free software; you can redistribute it and/or  
119| modify it under the same terms as Perl itself. See  
L<perlartistic|http://perldoc.perl.org/perlartistic.html>.  
120|  
121| This program is distributed in the hope that it will be useful,  
122| but WITHOUT ANY WARRANTY; without even the implied warranty of  
123| MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  
124|  
125| =end pod
```

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126|
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