

```
1| #!/usr/bin/env raku
2|
3| # Weave a Semi-literate file into Text, Markdown, HTML, etc.
4| # © 2023 Shimon Bollinger. All rights reserved.
5| # Last modified: Wed 06 Sep 2023 03:28:29 PM EDT
6| # Version 0.0.1
```

# Weave a semi-literate program into Text, Markdown, etc. format

```
7| #| Weave Markdown documentation from Raku code
8| sub MAIN($input-file,
9|         Bool :l(:$line-numbers) = True;
10|         #= Should line numbers be added to the embeded code?
11|         Str :f(:$format) is copy = 'markdown';
12|         #= The output format for the woven file.
13|         Str :o(:$output-file);
14|         #= The name of the output file. Defaults to stdout.
15|         Bool :v(:$verbose) = True;
16|         #= verbose will print diagnostics and debug prints to $*ERR
17| ) {
18|   my Str $extension;
19|   my Str @options;
20|   my Bool $no-output-file = False;
21|
22|   note "Input Format => $format" if $verbose;
23|   $format .= trim;
24|   given $format {
25|     when /^:i ^ markdown | md $ / {
26|       $format = 'MarkDown2';
27|       $extension = 'md';
28|     };
29|     when /^:i ^ [[plain][\-|_]?]? t[e]?xt $ / {
30|       $format = 'Text';
31|       $extension = 'txt';
32|     }
33|     when /^:i ^ [s]?htm[l]? $/ {
34|       $format = 'HTML2';
35|       $extension = 'html';
36|     } # end of when /^:i html 2? $/
37|
38|     when /^:i ^ pdf $ / {
39|       $format = 'PDF';
40|       $extension = '.pdf';
41|       @options = "--save-as=$output-file" if $output-file;
42|       $no-output-file = True;
43|     }
44|
45|     when /^:i ^ pdf[\-|_]?lite $ / {
46|       $format = 'PDF::Lite';
47|       $extension = '.pdf';
48|       @options = "--save-as=$output-file" if $output-file;
49|       $no-output-file = True;
50|     }
51|
52|     default {
53|       $extension = $format;
54|     } # end of default
55|
56|
57|   } # end of given $output-format
58|   note "Weave Format => $format" if $verbose;
59|   my Str $f = "Pod::To::$format";
```

```
60|     try require ::($f);
61|     if ::($f) ~~ Failure {
62|         die "$format is not a supported output format"
63|     } # end of if ::("Pod::To::$_") ~~ Failure
64|
65|     my Str $woven = weave($input-file, :$format, :$line-numbers);
66|
67|     my ($pod-file, $fh) = tempfile(suffix => '.p6');
68|
69|     $pod-file.IO.spurt: $woven;
70|
71|     my $output-file-handle = $output-file           ??
72|                             open(:w, $output-file) !!
73|                             $*OUT
74|                             unless $no-output-file;
75|
76|     run $*EXECUTABLE,
77|         "--doc=$format",
78|         $pod-file,
79|         @options,
80|         :out($output-file-handle);
81|
82| } # end of sub MAIN($input-file,
83|
```