A 'UNIX TiddlyWiki' . A 'LibreOffice' or 'MSOffice' for programmers. A word processor for wiki, shell, bash, or TI calculator users.

Self-modifying mix of shellcode script and markup. Users need not understand the code to edit the text.

```
 ./scriptedIllustrator.html -> equations and commands-> , scriptedIllustrator.html , scriptedIllustrator.pdf ,
scriptedIllustrator.md , etc -> edit 'scriptIllustrator.html' again and again
```

Intended to assist quickly or colloboratively embedding dynamic external data (ie. calculations, source code analysis, web sites, images, etc) within documentation. MediaWiki users in particular may simply edit text and post the markup file - only the intended text will be visible while the interleaved code remains executable and commented out from the markup.

Markup files of many markup launguages (eg. HTML, MediaWiki, markdown) are executable, automatically convertable, all having functionally identical shell code (eg. HTML and MediaWiki compatible files are capable of identical output).

Conversion to 'LibreOffice' 'docx' or 'odt' is best achieved by copy/paste from a web browser.

Automatic conversion to 'asciidoc' is available, however, that format seems to have relatively limited functionality. Automatic conversion to 'LibreOffice' is technically possible, however, copy/paste from a web browser viewing HTML markup achieves more accurate results with much more functionality.

Examples

This README itself is an example. PDF render of HTML is most accurate.
https://github.com/mirage335/scriptedIllustrator/blob/main/README.pdf

Usage

```
./scriptedIllustrator.sh _README
./compile.sh ; ./scriptedIllustrator.sh _experiment

./scriptedIllustrator.sh _scribble_html
./scriptedIllustrator.html _scribble_html

# By default, 'scribble' all possible markup .
./scriptedIllustrator.sh
./scriptedIllustrator.html
./scriptedIllustrator.mediawiki.txt
```

"KWrite" is strongly recommended. Syntax highlighting of '# NOTICE' is helpful . Syntax highlighting may be either 'bash' or markup at any time as desired.

Design

Conversion between scripting/markup launguages must not cause any differences, as these will accumulate in practice. MSW/Cygwin compatible.

Automatic '_test' function attempts some plausible conversions to ensure unexpected differences do not occur.

```
./scriptedIllustrator.sh _test
./scriptedIllustrator.html _test

./compile.sh ; ./scriptedIllustrator.html _test ; ./scriptedIllustrator.mediawiki.txt
```

Safety

Most documentation scripts are expected compatible with Cloud services, or QEMU virtual machines (possibly without any hardware/accelerated virtualization). Users should be provided access to these, rather than running such documentation scripts directly.

Version control very strongly recommended. Obviously these scripts can self-overwrite (which is very often desirable), especially if editing markup files directly (which is when self-overwrite is most desirable for convenience).

Reference

https://unix.stackexchange.com/questions/533886/is-there-a-command-line-tool-for-converting-html-files-to-pdf
 'pandoc'
 'htmldoc'
 'html2ps'
 'phantomjs'

https://github.com/go-easygen/easygen
https://pkg.go.dev/github.com/go-easygen/easygen?utm_source=godoc#pkg-examples
https://github.com/imatix/gsl

https://en.wikipedia.org/wiki/AsciiDoc
https://github.com/dagwieers/asciidoc-odf
https://powerman.name/doc/asciidoc
https://docs.asciidoctor.org/asciidoc/latest/comments/

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PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak

PAGE INTENTIONALLY BLANK

PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak

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PAGE INTENTIONALLY BLANK

PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak
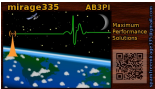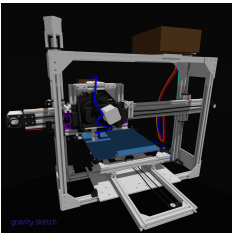
document - heading1

date - heading2

```
request: date --iso-8601=ns
date --iso-8601
 '[[ "$noDate" != "true" ]] && date --iso-8601'
# 2021-10-30
```

images - heading2

preformatted text within paragraph

equations and commands - heading2

```
 'currentBitsPerSecond=9600'
 'currentBonesPerPlayer=4'
 'solve' '"("$currentBitsPerSecond" == (\"currentPlayers\" * "$currentBonesPerPlayer" * "$currentIncrementFramesPerSecond" *
"$currentIncrementFrameBytesPerBone" * "$currentByte") + (\"currentPlayers\" * "$currentBonesPerPlayer" *
"$currentInstantFramesPerSecond" * "$currentInstantFrameBytesPerBone" * "$currentByte"), \"currentPlayers\")"'
# 5.5555556
```

titleA	*titleB*	*titleC*	*titleD*
example commands \# with output	'ubiquitous_bash.sh' '_echo' 'a b' # a b 'ubiquitous_bash.sh' '_echo' 'a b' # a # b ' \ \ output'	'_color_demo' # _color_demo # _color_demo # _color_demo # _color_demo # ubiquitousBashIDshort= uk4uPhB6 # _color_demo # _color_demo # _color_demo # echo _color_demo # _color_demo # "echo" "_color_demo" # 'echo' '_color_demo' # _color_demo # _color_demo # delay: InterProcess-Communication	
output	raw markup		pre

breaks - heading2

 preformatted text at paragraph_begin

preformatted text at paragraph_end

```
PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak -H-H-H-H- PageBreak
```

```
uk4uPhB6
<!-- # --><pre style="margin-top: 0px;margin-bottom: 0px;white-space: pre-wrap;">
preformatted
 text
more
 preformatted
text
#
# ###
# ###
```

heading1

heading2

heading3

heading4

heading5

heading6

```
#
```
raw markup

raw heading1

raw heading2

raw markup raw markup

raw paragraph

raw markup raw markup raw markup raw markup raw markup

[raw HTML markup within paragraph](#)

```
preformatted
text
```

```
preformatted
text
"$ubiquitousBashIDshort"
```

```
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut
enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in
reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident,
sunt in culpa qui officia deserunt mollit anim id est laborum.
x > /dev/null < /dev/null </dev/null> <h://w.example.com/page/>
x > /dev/null < /dev/null </dev/null> <h://w.example.com/page/>

x > /dev/null
```

gravity sketch

```
\ \\ \\\ \\\\ \\\\\ ` `` ``` ```` $() [] {} " "" ' ' ' '
\ \\ \\\ \\\\ \\\\\ ` `` ``` ```` $() [] {} " "" ' ' ' '
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

1	2	3	4	5
6	7	8	9	0

done: demo