

Hello world!

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Contents

1 Hello Section!	1
2 References	1
3 Configuration	1
4 Program Chunk	2
5 Document Footer	2
6 Script Preamble	3
7 List of all chunks	3

1 Hello Section!

Hello live literate program!

2 References

- [nofake.nw](#) and [nofake.pdf](#) for L^AT_EX tips.
- <https://github.com/ctarbide/ctweb>
- <https://github.com/thomasWeise/docker-texlive>

3 Configuration

- [1a](#) \langle *nwmac.tex* [1a](#) \rangle ≡ (2a)
 $\${HOME}/texmf/tex/plain/local/nwmac.tex$
- [1b](#) \langle *noweb.sty* [1b](#) \rangle ≡ (2a)
 $\${HOME}/texmf/tex/latex/local/noweb.sty$

4 Program Chunk

This is referenced by [script preamble](#).

```
2a <prog 2a>≡
  thisprog=${1}; shift
  perl -lne'last if m{^\s*$};}{while(<>){chomp;print}' -- \
    "${thisprog}" >"${0}.nw"
  (
    printf -- '\\section{Script Preamble}\n\n'
    printf -- '\hypertarget{scriptpreamble}{%s}.\n\n' \
      'This is where it all begins'
    printf -- '<<script preamble>>=\n'
    perl -lne'last if m{^\s*$};print' -- "${thisprog}"
    printf -- '@\n\n'
  ) >>"${0}.nw"
  nofake -R'document footer' "${thisprog}" >>"${0}.nw"
  noweave -delay -index -latex "${0}.nw" >hello-pdf.tex
  docker-cwd.sh --rm -v "'pwd':/doc" \
    -v "<nwmac.tex 1a>:/texmf/tex/plain/local/nwmac.tex" \
    -v "<noweb.sty 1b>:/texmf/tex/latex/local/noweb.sty" \
    thomasweise/texlive \
    sh -eux -c 'texhash /texmf; latexmk -pdf hello-pdf'
```

5 Document Footer

```
2b <document footer 2b>≡
  \bibliographystyle{plain}
  \bibliography{web}

  \section{List of all chunks}
  \nowebchunks

  \end{document}
```

6 Script Preamble

This is where it all begins.

```
3 <script preamble 3>≡
  #!/bin/sh
  # https://ctarbide.github.io/pages/2024/TBD_hello-worlds
  # https://github.com/ctarbide/coolscripts/blob/master/bin/nofake-exec.nw
  set -eu; set -- "${0}" --ba-- "${0}" "$@" --ea--
  set -- "$@" --tmp-- .nw
  SH=${SH:-sh}; export SH
  exec nofake-exec.sh --error -Rprog "$@" -- "${SH}" -eu
  exit 1
```

7 List of all chunks

```
<document footer 2b>
<noweb.sty 1b>
<nwmac.tex 1a>
<prog 2a>
<script preamble 3>
```