HUBerlin-bundle

Documents and Documentations for LATEX at the Humboldt-Universität zu Berlin

»Documentation must be regarded as an integral part of the process of design and coding. A good programming language will encourage and assist the programmer to write clear, self-documenting code, and even perhaps to develop and display a pleasant style of writing.« [1, p. 195]



Contents

Introduction — 3 1 Installation of the bundle −3 1.1 Changelog—3 1.2 Copyright—3 1.3 Boilerplate / markdown-template—3 1.3.1 Preambel — 4 2 Ι Guideline for Users Letter-6 3 .lco-file-6 3.1 .tex-file-83.2 Letter from markdown—10 3.3 II Guide for Coders Letter—13 4 **Boilerplate / Template for letters**—19 5 Documentation preamble <style>-21 6 IIIExample files Letter—36 7 From .tex-367.1

From .md—39

7.2

1 Introduction

Following documents or documentclasses are available:

• letter (HUBerlin-letter.cls)

1.1 Installation of the bundle

HUBerlin is part of the distributions MiKTeX and TeXLive – thus, you can easily install it using the respective package manager. If you would like to install HUBerlin—bundle into your local folder manually, do the following: Go to your terminal, browse to the folder of this bundle and run make install

If you are using macOS you might be asked for your user account password for the installation. Further options of this makefile are:

- clean: deletes all unnecessary files
- cleanbundle: deletes all files except .dtx, .md. You will get the plain version of this bundle. This might be helpful if you send the bundle to someone else.
- ctan: this will create a zip file which can be used to send to CTAN.
- files: will only create the files from the .dtx-scratch.
- uninstall: will erase the locally installed files.

This bundle is constantly updated. For hints, errors or suggestions use the GitHub repository https://github.com/LukasCBossert/HUBerlin-bundle.

1.2 Changelog

All notable changes to this project will be documented in the README.md. This project **does not** adhere to Semantic Versioning. The markdown syntax is inspired by the conventions proposed by keepachangelog.com.

1.3 Copyright

Various parts of this bundle have different copyrights.

1.3.1 Boilerplate / markdown-template

This template, forked from the pandoc-templates and https://github.com/JensErat/pandoc-scrlttr2 is dual-licensed, under both the GPL (v2 or higher, same as pandoc) and the BSD 3-clause license (included below).

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2 Preambel

This bundle consists of various files which are either generated by the core file (.dtx) or are part of the basic structure of this bundle. You can easily pick up the basic file structure from fig. 2.1.



Figure 2.1: Structure of HUBerlin bundle

When you run the makefile you get all these various files described above.

Guideline for Users

```
1 (*example)
```

3 Letter

We give an example on how to create a letter.

```
3.1 .1co-file
     2 (*ICO)
   This is the file you load into your .tex letter. The information you provide here do normally not
   change from letter to letter. That's why we put it in a separate file.
     The first line should provide this information.
     3 \ProvidesFile{HUBerlin-letter.lco}
   Now we set up the personal data.
     We start with the name of the sender.
     4 \setkomavar{fromname}
   you can also write the position of this person in brackets, this is optional; [\langle position \rangle]
     5 [Wissenschaftlicher Mitarbeiter]
   But you need to give a name:
     6 {Dr. Max Mustermann}
   The mail address
     7 \setkomavar{fromemail} {max.mustermann@hu-berlin.de}
   For phone and fax number you only need to type the last digits.
     8 \setkomavar{fromphone} {1234}
   If you don't have a fax (or a phone), leave it empty. Do not delete it.
     9\setkomavar{fromfax}{5678}
   And finally the URL.
     10 \setkomavar{fromurl}{www.hu-berlin.de}
   If your backaddress is to long – it will be set up automatically – you can redefine it.
     11 \setkomavar{backaddress}{HU Berlin\\
     12 Unter den Linden 6\\
     13 D-10099 Berlin}
   Selfexplaining: the faculty.
     14 \setkomavar{faculty}{%
     15 Philosophische Fakultät
     16 }
     17 \setkomavar{institute}{%
     18 \mbox{Institut f\u00fcr Briefvorlagen}
```

You could even put a figure/logo of the institute here. Just use width=\useplength{locwidth} to get the maximum possible width for the figure in the margin area.

```
19 % \includegraphics[width=\useplength{locwidth}]{YOUR-LOGO.png}
20 }
21\setkomavar{institute.additional}{Here you can more text.}
22 \setkomavar{institute.head} [Dekan] {Prof. Dr. Maike Musterfrau}
23\setkomavar{institute.head.mail}{maike.musterfrau@hu-berlin.de}
24 \setkomavar{local}{%
25 Mohrenstraße 40/41\\
   Zimmer X \setminus X
27 D-10117 Berlin}
28\setkomavar{connections}{U Bahnhof Hausvogteiplatz (U2)}
29 \setkomavar{accessibility}{Hausvogteiplatz}
30 \setkomavar{signature}{%
   \usekomavar{institute.head} --
   \usekomavar{fromname}
33 }
34 (/Ico)
```

```
Example 1
   \ProvidesFile{HUBerlin-letter.lco}
   \setkomavar{fromname}
   [Wissenschaftlicher Mitarbeiter]
   {Dr. Max Mustermann}
   \setkomavar{fromemail} {max.mustermann@hu-berlin.de}
   \setkomavar{fromphone} {1234}
   \setkomavar{fromfax} {5678}
   \setkomavar{fromurl} {www.hu-berlin.de}
   \setkomavar{backaddress}{HU Berlin\\
   Unter den Linden 6\\
   D-10099 Berlin}
   \setkomavar{faculty}{%
   Philosophische Fakultät
   \setkomavar{institute}{%
     \mbox{Institut für Briefvorlagen}
   응응
      \includegraphics[width=\useplength{locwidth}]{YOUR-LOGO.pnd}
   \setkomavar{institute.additional}{Here you can more text.}
   \setkomavar{institute.head} [Dekan] {Prof. Dr. Maike
      Musterfrau}
   \setkomavar{institute.head.mail}{maike.musterfrau@hu-berlin.de}
   \setkomavar{local}{%
    Mohrenstraße 40/41\\
23
     Zimmer X\\
    D-10117 Berlin}
   \setkomavar{connections}{U Bahnhof Hausvogteiplatz (U2)}
```

```
\setkomavar{accessibility}{Hausvogteiplatz}
     \setkomavar{signature} {%
 28
        \usekomavar{institute.head} --
        \usekomavar{fromname}
3.2 .tex-file
     35 (*letter)
     36 \documentclass{HUBerlin-letter}
   Now we load the personal data-file which has the ending .lco.
     37 \LoadLetterOption{HUBerlin-letter}
   If you have the HU font installed on your computer, you can load it, too:
     38 % \setmainfont[%
    39 %
           BoldFont=ScalaSans-BoldLF,
           Numbers=OldStyle] {ScalaSans-RegularLF}
     40 %
   Now following the reference information
     41 \setkomavar{myref}{}
     42 \setkomavar{yourref}{}
     43 \setkomavar{yourmail}{}
     44 \setkomavar{customer} {}
     45 \setkomavar{invoice}{}
     46 \setkomavar{subject} {Betreff}
     47 \usepackage{blindtext}
   We close the preamble and start the letter
     48 \begin{document}
   The address is written as { ⟨address⟩ }
     49 \begin{letter}{%
         Erika Musterfrau\\
        Musterweg 43\\
        56789 Musterhausen%
   Closing now again.
     53 }
     54 \opening{Sehr geehrte Frau Musterfrau,}
   This is just some blindtext.
     55 \blindtext[2]
     56 \clearpage
     57 \blindtext
   Closing letter
     58 \closing{Mit freundlichen Grüßen}
```

If you still have something to say/write.

```
Any amendment.

60 \encl{%}

61 Anlage 1\\
62 Anlage 2%
```

59 \ps PS: \dots

This is the distribution

```
64 \ cc { %
65    Verteiler 1 \ \
66    Verteiler 2 %
67 }
```

That's it. Done.

63 }

```
68 \end{letter}
69 \end{document}
```

And how does a example letter looks like?

```
Example 2
   \LoadLetterOption{HUBerlin-letter}
   \setkomavar{myref}{}
   \setkomavar{yourref}{}
   \setkomavar{yourmail}{}
   \setkomavar{customer}{}
   \setkomavar{invoice}{}
   \setkomavar{subject}{Betreff}
   \usepackage{blindtext}
   \begin{document}
   \begin{letter}{%
     Erika Musterfrau\\
     Musterweg 43\\
     56789 Musterhausen%
   \opening{Sehr geehrte Frau Musterfrau,}
   \blindtext[2]
   \clearpage
   \blindtext
   \closing{Mit freundlichen Grüßen}
   \ps PS: \dots
20
   \encl{%
21
     Anlage 1\\
     Anlage 2%
   \cc{%
     Verteiler 1\\
     Verteiler 2%
   \end{letter}
   \end{document}
   응응
```

70 (/letter)

3.3 Letter from markdown

```
71 (*letter-md)
```

You need to have pandoc installed on your computer. To create letters via markdown and pandoc run from the command line:

The .md file needs a section with metadata.

It starts and ends with three ---. All necessary metadata information are listed inbetween.

```
72 ---
73 documentclass: HUBerlin-letter
```

The following will load the .lco-file, you replace that with the name of your .lco-file.

```
74 senderdetails: HUBerlin-letter
75 opening: Sehr geehrte Damen und Herren
76 closing: Mit freundlichen Grüßen
77 date: 10. Mai 2010
```

The information for the sender has to be written like this:

```
78 addressee:
79 - Alexander von Humboldt
80 - Unter den Linden 6
81 - 10099 Berlin
82 ---
```

You find a list with possible options for this metadata information header below.

Now the content of your letter

```
83 Thank you very much for your letter.
```

Let's see how this example file looks like:

```
documentclass: HUBerlin-letter
senderdetails: HUBerlin-letter
opening: Sehr geehrte Damen und Herren
closing: Mit freundlichen Grüßen
date: 10. Mai 2010
addressee:
- Alexander von Humboldt
- Unter den Linden 6
- 10099 Berlin
---
Thank you very much for your letter.
```

84 (/letter-md)

Here we close the example files.

 $_{85}\langle / \text{example} \rangle$

Guide for Coders

```
_1 \langle * cls \rangle
```

4 Letter

```
2 \*letter\
We load scrIttr2 [3] which is the documentclass for letters. Furthermore we set up some options.
3 \LoadClass[%
4 fontsize=1opt,
5 version=last,
```

If there is anything to debug, you can enable visualize

```
6 % visualize
7]{scrlttr2}
```

For debugging also uncomment the $\showfields{\langle fields \rangle}$ commanand.

```
8% \showfields{head, address, location, refline, foot}
```

Since we do want to compile with LuaLATEX, we make sure that it will be compilable only with that.

```
9 \RequirePackage{ifluatex, luatex85}
```

```
Now a fix.1
```

```
10 \ifx\directlua\relax
11 \let\directlua\UnDeFiNeD
12 \fi
13 \ifluatex
14 \else
15 \GenericError{HUBerlin}%
16 {Please use 'LuaLaTeX' as Compiler.^^J I abort here.}
17 \fi
```

We do not need many packages. The ones we need are loaded now.

```
18 \RequirePackage[english, ngerman] {babel}
```

Common package for handling figures is graphicx [8].

```
19 \RequirePackage{graphicx}
```

```
For loading fonts.
```

```
20 \RequirePackage{fontspec}
```

Verdana font as main font.

```
21 \setmainfont{Verdana}
```

For the wheelchair symbol we load marvosym [4]

```
22 \RequirePackage{marvosym}
```

To get the HU logo on the second and following pages we load scrlayer-scrpage [2].

```
23 \RequirePackage{scrlayer-scrpage}
```

```
1 https://tex.stackexchange.com/a/75065
```

```
24 \DeclareNewLayer[
  25 foreground,
      textarea,
      voffset=\useplength{firstheadvpos},
     hoffset=\useplength{firstheadhpos},
      width=\useplength{firstheadwidth},
     mode=picture,
     contents=\putUL{\raisebox{\dimexpr-\height}{\usekomavar{firsthead}}\hfill\thepage}
  32 | {likefirstpage.head}
  33 \AddLayersToPageStyle{scrheadings}{likefirstpage.head}
  34 \clearpairofpagestyles
 For better adjustments of the layout we load geometry [9].
  35 \RequirePackage{geometry}
  36 \geometry{%
      a4paper
  37
     ,left
                        =25mm
  38
                        =1 6mm
      ,bottom
  40 , foot
                        =4 mm
  41 , top
                         =77mm
  42 , nohead
      ,textwidth
                         =117mm
      ,marginparsep
                        =omm
      ,marginparwidth =omm
  46 }
 Main Text and signature should be raggedright.
  47 \renewcommand* { \raggedsignature } { \raggedright }
  48 \raggedright
 We also want to put the enclosures at the bottom of the page.<sup>2</sup>
  49 \def\stopletter{}
  50 \let\enclold\encl
   51 \renewcommand\encl[1] {\vskipoptplus1filll\enclold{#1}}
 We define new komavars.
   First the possibility to name the faculty,
  52 \newkomavar{faculty}
  53 \newkomafont {faculty} {\bfseries\fontsize{8.5}{10}\selectfont}
 then the institute
  54 \newkomavar{institute}
  55 \newkomafont{institute}{\fontsize{8.5}{10}\selectfont}
 and further fields for information.
  56 \newkomavar{institute.additional}
 We pass the name of the head of the institute.
   57 \newkomafont{institute.head}{\bfseries}
  58 \newkomavar{institute.head} %
 Its position will be written as the optional argument.
   There is even the possibility to print the email-address onto the letter.
   59 \newkomavar{institute.head.mail}%
2 https://tex.stackexchange.com/questions/77991/put-the-encl-at-the-bottom-of-the-page-lettre-cl
```

```
Since there are many buildings with offices we tell where to find the sender
 60 \newkomavar{local}
 61\setkomavar*{local}{Sitz:}
and how to get there.
 62 \newkomavar{connections}
 63 \setkomavar*{connections}{Verkehrsverbindungen:}
Furthermore we inform about office hours
 64 \newkomavar{officehours}
 65\setkomavar*{officehours}{Sprechzeiten:}
and if there is accessibility for wheelchairs etc.
 66 \newkomavar{accessibility}
 67\setkomavar*{accessibility}{{\large\reflectbox{\Wheelchair}} Eingang:}
 68 \newkomavar{bank}
 69 \setkomavar*{bank}{Bankverbindung:}
 70 \setkomavar{bank}{Deutsche Bank PGK AG}
 71 \newkomavar{IBAN}
 72\setkomavar{IBAN}{\mbox{IBAN DE95 1007 0848 0512 6206 01}}
 73 \newkomavar{BIC}
 74\setkomavar{BIC}{BIC DEUTDEDB110}
Now we set the location field, which is the section on the right with additional information:
 75 \setkomavar{location}{%
First anything regarding the font
    \raggedright
    \fontsize{7}{8.5}\selectfont
        \begin{macrocode}
 79% and for the section of faculty, institute etc. we use \env{minipage}
        \begin{macrocode}
 81 \begin{minipage}[t][64mm]{\useplength{locwidth}}
then the faculty
     {\usekomafont{faculty}%
      \usekomavar{faculty}\\[1\baselineskip]}
and the institute.
     {\usekomafont{institute}\usekomavar{institute}\\[1\baselineskip]}
Now anything else regarding the institute.
 85 \ifkomavarempty{institute.additional}
 86 {}
     {\usekomavar{institute.additional}\\[1\baselineskip]}
```

What follows is the head of institute and its position name.

```
88 \ifkomavarempty{institute.head}
89 {}
90 {{\usekomafont{institute.head}%}
91 \usekomavar{institute.head}}\\%
92 \usekomavar*{institute.head}}
```

We close this section and the minipage.

```
93 \end{minipage}
```

Let's turn to further information.

```
For example date:
```

```
94 \textbf{\usekomavar*{date}}\\
95 \usekomavar{date}\par
```

and the sender of the letter.

```
96 \ifkomavarempty{fromname}
97 {}
98 {\textbf{\usekomavar*{fromname}}\\\
99 \usekomavar{fromname}\par}
```

And the reference of correspondence.

```
100 \ifkomavarempty{myref}
101 {}
102 {\textbf{\usekomavar*{myref}}\\\
103 \usekomavar{myref}\par}
```

To complete this template we provide the possibility to name further reference fields.

```
104 \ifkomavarempty{yourref}
105 {}
106 {\textbf{\usekomavar*{yourref}}\\
   \usekomavar{yourref}\par}
108 \ifkomavarempty{yourmail}
110 {\textbf{\usekomavar*{yourmail}}\\
   \usekomavar{yourmail}\par}
112 \ifkomavarempty{customer}
113 {}
114 {\textbf{\usekomavar*{customer}}\\
115 \usekomavar{customer}\par}
116 \ifkomavarempty{invoice}
117 {}
118 {\textbf{\usekomavar*{invoice}}\\
   \usekomavar{invoice}\par}
    \textbf{\usekomavar*{fromaddress}}\\
120
    \usekomavar{fromaddress}
   \ifkomavarempty{fromphone}
122
      \{ \par \}
123
      {\\\usekomavar*{fromphone}\usekomavar{fromphone}
124
       \ifkomavarempty{fromfax}
      {\par}
126
      { \ \ } }
127
    \ifkomavarempty{fromfax}
128
      {\usekomavar*{fromfax}\usekomavar{fromfax}\par}
130
```

Next, emails and url:

```
131 \ifkomavarempty{institute.head.mail}
132 {}
133 {\usekomavar{institute.head.mail}}
134 \ifkomavarempty{fromemail}
```

```
{\ifkomavarempty{fromurl}
      {\par}
 136
      { \ \ } }
137
     { \ \ } }
139 \ifkomavarempty{fromemail}
140
     {\usekomavar{fromemail}
    \ifkomavarempty{fromurl}
     {\par}
143
144
     { \ \ } }
145 \ifkomavarempty{fromurl}
146
      {\usekomavar{fromurl}\par}
Now the actual location of the sender
148 \ifkomavarempty{local}
     {}
149
      {\textbf{\usekomavar*{local}}\\
150
     \usekomavar{local}\par}
The last information section should be pinned to the bottom.
152 \ Vfill
Inform your addressee about the connection possibilities.
153 \ifkomavarempty{connections}
154
      {\textbf{\usekomavar*{connections}}\\
 155
      \usekomavar{connections}\par}
 157 \ifkomavarempty{officehours}
 158
      {\textbf{\usekomavar*{officehours}}\\
 159
      \usekomavar{officehours}\par}
If there is a barrier free entrance, tell it.
 161 \ifkomavarempty{accessibility}
162
     { }
      {\textbf{\usekomavar*{accessibility}}\\
      \usekomavar{accessibility}\par}
And last the bank connection
165 \ifkomavarempty{bank}
      {\textbf{\usekomavar*{bank}}\\
167
     \usekomavar{bank}\\
     \usekomavar{IBAN}\\
160
      \usekomavar{BIC}
170
 171
Finally we close \setkomavar { (location) }
172 }
```

To fulfill the Corporate Design rules we adjust a few things.

```
173 \KOMAoptions{%
```

```
174   numericaldate =true
175   ,refline =nodate
176   ,backaddress =plain
177   ,parskip =half-
178 }
```

Getting rid of the reference field

179 \removereffields

Redefining length, which we ship to the end of the preamble.

```
180 \AtBeginDocument {
181 \@setplength{refvpos}{110mm}
182 \@setplength{refaftervskip}{opt}
183 \@setplength{toaddrhpos}{25mm}
184 \@setplength{firstheadhpos}{\useplength{toaddrhpos}}
185 \@setplength{lochpos}{15mm}
186 \@setplength{locvpos}{\useplength{toaddrvpos}}
187 \@addtoplength{locvpos}{.75 \baselineskip}
188 \@setplength{locwidth}{45mm}
189 \@setplength{locheight}{232mm}
190 }
```

Now resetting or pre-defining some variables.

First we set the head of the first page.

You need to have the logo of the $H\mbox{\it U}$ stored on your computer!

```
191 \setkomavar{firsthead} {%
192 \includegraphics[width=148mm]{HUBerlin-logo.png}%
193 }
194 \setkomavar{backaddressseparator} {~\textbar~}
195 \setkomavar{fromphone}{0000}
196 \setkomavar*{fromphone}{Telefon +49 [30] 2093-}
197 \setkomavar{fromfax}{0000}
198 \setkomavar* {fromfax} {Telefax +49 [30] 2093-}
199 \setkomavar*{fromaddress}{Postanschrift:}
200 \setkomavar{fromaddress}{%
201 Humboldt-Universität zu Berlin\\
    Unter den Linden 6\\
203 D-10099 Berlin}
204 \setkomavar*{date} {Datum:}
205 \setkomavar*{fromname}{Bearbeiter:}
206 \setkomavar*{myref}{Geschäftszeichen:}
207 \setkomavar*{enclseparator}{Anlage}
208 \setkomavar*{ccseparator}{Kopie an}
209 % \RequirePackage{hyperref}
210 % \AtBeginDocument { {
```

```
211 응
       \usekomavar[\def\author]{fromname}
212 응
       \usekomavar[\def\subject] {subject}
213 응
      \hypersetup{%
       pdftitle
                            = {\subject},
214 %
215 응
        pdfauthor
                            = \{ \{ author \}, \}
       pdfsubject
216 응
                            = \{ \setminus subject \},
217 응
       pdfkeywords
                            = {\author, \subject},
218 %
       pdflang
                            = de,
       pdfdisplaydoctitle = true,
219 %
220 %
                           = true,
        colorlinks
       plainpages
221 응
                             = false,
       hypertexnames = false,
222 응
223 응
       unicode,
224 % }
225 % } }
226 (/letter)
227 (/CIS)
228 (*template)
```

5 Boilerplate / Template for letters

```
229 (*letter-md)
  230 \documentclass{HUBerlin-letter}
We define two new variables.
   231 \newkomavar{opening}
  232 \newkomavar{closing}
  233 $for (letteroption) $
 234 \LoadLetterOption{$letteroption$}
  236 $if (senderdetails) $\LoadLetterOption{$senderdetails$}$endif$
  237 $if (addresseeimage) $\setkomavar{addresseeimage}{$addresseeimage$}$endif$
  238 Sif (backaddress) S \setminus Setkomavar \{backaddress\} \{SbackaddressS\} \setminus KOMAoptions \{backaddress=transition S \mid Sackaddress\} \}
  239 Sif (fromalign) $\KOMAoptions {fromalign=$fromalign$} $endif$
 240 $if(customer)$\setkomavar{customer}{$customer$}$endif$
  241 $if(date)$\setkomavar{date}{$date$}$endif$
 242 $if(fromaddress) $\setkomavar{fromaddress}{$fromaddress$}$endif$
 243 $if(frombank) $\setkomavar{frombank}{$frombank$}$endif$
 244 $if(fromemail) $\setkomavar{fromemail} {\$fromemail$} \KOMAoptions{fromemail=true} \$end.
  245 f(fromfax) \leq f(fromfax) \leq
  246 Sif (from logo) $\setkomavar{from logo} {Sfrom logo} \KOMAoptions{from logo=true} Sendif Sendi
 247 Sif(frommobilephone) $\setkomavar{frommobilephone} {\footnote{sfrommobilephone}} \KOMAoptions{frommobilephone}
 248 Sif (fromname) S \setminus setkomavar \{fromname\} \{SfromnameS\} SendifS
  249 Sif(fromphone) \$ setkomavar{fromphone} { \$ fromphoneS} \ KOMAoptions{fromphone=true} \$ Send.
```

```
250 \% if (fromurl) \% \operatorname{setkomavar} \{fromurl\} \{fromurl\} \} \setminus KOMA options \{fromurl = true\} \} = 100 \% if (fromurl) \% \setminus 100 \% if (fromurl) \% \cap 100 \% if (fromurl) \% if (fromurl)
 251 $if(fromzipcode) $\setkomavar{fromzipcode}{\$fromzipcode$}$endif$
 252 $if(invoice) $\setkomavar{invoice}{$invoice$}$endif$
253 $if(location)$\setkomavar{location}{$location$}$endif$
254 $if (myref) $\setkomavar{myref} {$myref$} $endif$
255 $if (myrefname) $\setkomavar*{myref} {$myrefname$} $endif$
256 $if(place) $\setkomavar{place} {$place$}$endif$
257 $if(PPcode)$\setkomavar{PPcode}{$PPcode$}$endif$
258 $if(signature) $\setkomavar{signature}{\$signature$}\$endif$
 259 $if(specialmail) $\setkomavar{specialmail}{\$specialmail$}$endif$
260 $if (subject) $\setkomavar{subject}{$subject$}$endif$
 261 f(title) \ setf(title) \ setf(title)
262 Sif (yourmail) $\setkomavar{yourmail}{$yourmail$}$ endif$
263 $if (yourref) $\setkomavar{yourref}{$yourref$}$endif$
264 $if (opening) $\setkomavar{opening} {$opening$} $endif$
265 $if (closing) $\setkomavar{closing}{$closing$}$endif$
266 $if(firstfoot)$\setkomavar{firstfoot}{$firstfoot$}$endif$
```

Ok, let's sum up the possible options you can use to pass data to the letter:

- addresseeimage
- backaddress
- customer
- date
- fromaddress
- frombank
- fromemail
- fromfax
- fromlogo
- frommobilephone
- fromname
- fromphone
- fromurl
- fromzipcode
- invoice
- location
- myref
- myrefname
- place
- PPcode
- signature
- specialmail
- subject
- title
- yourmail
- yourref
- opening
- closing
- firstfoot

Sometimes you might not have an addressee – we are checking this, too.

```
267 $if(addressee)$
268 $else$
269 \KOMAoptions{addrfield=false}
270 $endif$
```

Now the actual content of the letter

```
271 \begin{document}
272 \begin{letter}{%
273 $for (addressee) $
274 $addressee$$sep$\\
275 SendforS
276 }
277 $for(include-before)$
278 $include-before$
279 Sendfor$
280 \opening{\usekomavar{opening}}
281 $body$
282 \closing{\usekomavar{closing}}
283 $if (ps) $\ps{$ps$}$endif$
284 $if (encl) $\encl{$encl$}$endif$
285 $for (include-after) $$include-after$$endfor$
286 \end{letter}
287 \end{document}
288 (/letter-md)
289 (/template)
```

6 Documentation preamble <style>

```
290 (*sty)
291 (*style)
292 \makeatletter
293 \addtolength\marginparwidth{-4opt}
294 \addtolength\marginparsep{4mm}
295 \addtolength\oddsidemargin{-20pt}
296 \addtolength\evensidemargin{-20pt}
297 \let\PrintDescribeMacro=\@gobble
298 \let\PrintDescribeEnv=\@gobble
299 % \def\Describe@Macro#1{\endgroup
      %\marginnote{\PrintDescribeMacro{#1}}%
301 %
       \SpecialUsageIndex{#1}\@esphack\ignorespaces%
    }
303 % \def\Describe@Env#1 { \endgroup
      %\marginnote{\PrintDescribeEnv{#1}}%
        \SpecialEnvIndex{#1}\@esphack\ignorespaces%
305 %
306 %
307 \makeatother
308 \AtBeginDocument {\normalmarginpar}
```

```
309 \setlength\MacrocodeTopsep{.5\baselineskip}
310 \setlength\MacroIndent { 6mm}
311
313 \RequirePackage{luatexbase}
314 \RequirePackage[ngerman, english] {babel}
315 \RequirePackage{calc}
317 \RequirePackage[
318 paper = a4paper, % - use A4 paper size
   foot
               = 2Cm,
320 inner
                       % - total body: left margin (odd pages)
              = 3cm,
321 top
              = 3cm, % - total body: top margin
322 outer
              = 3cm, % - total body: right margin (odd pages)
323 bottom = 3cm, % - total body: bottom margin
324 marginparwidth = 2cm, % - width for side note
325 marginparsep = .5cm, % - space between notes and body text (content)
326 % showframe,
327 ] {geometry}
329 \newlength\fullwidth
330 \setlength\fullwidth{\textwidth+\marginparwidth+\marginparsep}
332 \KOMAoptions{
333 numbers = noenddot,
334 }
335 \AtBeginDocument {
336 \KOMAoptions{
337 % headwidth = {\fullwidth},
338 \% footwidth = {\fullwidth},
339 footheight = 20pt,
340 headheight = 29pt,
341 captions = tableheading,
342 } }
343
344
346 \title{\HUBerlintitle}
347 %\subtitle {\HUBerlinsubtitle}
348 \author{\HUBerlinauthor}
349 \date{\Version}
350
352 %---- Required Packages
353 \RequirePackage{ifluatex, luatex85}
354 \ifx\directlua\relax
355 \let\directlua\UnDeFiNeD
356 \fi
357 \ifluatex
358 \else
359 \GenericError {HUBerlin} %
360 {Please use 'LuaLaTeX' as Compiler.^^J I abort here.}
361 \fi
```

```
For fonts we load the package fontspec [7] which has almost no limits handling font-stuff.
```

```
362 \RequirePackage{fontspec}
363 \RequirePackage[mono=false] {libertine}
364 \RequirePackage{amssymb}
366 \defaultfontfeatures {%
_{367} Ligatures = TeX
368 , Scale = MatchLowercase
_{369} , Numbers = OldStyle
370 }
For fonts we use the available TeX Gyre Pagella as main font. 1
371 \setmainfont[%
      Ligatures = TeX
372
     , Numbers = OldStyle]{TeX Gyre Pagella}
373
And we declare also the other fonts, too.
374 \setmonofont[Scale=1]{TeX Gyre Cursor}
375 \setsansfont[%
376  ,LetterSpace = .8]{TeX Gyre Adventor-Regular}
377 \linespread{1.05}
378 \newfontfamily\listingsfont[
379 Scale = MatchLowercase,
380 | {TeX Gyre Cursor}
381 \renewcommand\MacroFont{\listingsfont}
383 \RequirePackage{marginnote}
384 \renewcommand* { \marginfont } { %
385 \rule{opt}{o.7\baselineskip}%
     \footnotesize%
387 \color{HUBerlin-brown}}
389 \RequirePackage[
390 german = guillemets,
style = german,
392] {csquotes}
394 \RequirePackage { enumitem }
395 \setlist{
396 nosep,
397 % itemindent=1em,
   % labelindent=0.5\parindent,
    leftmargin=*}
400 \newlist{tabitemize}{itemize}{2}% neue Listenumgebung
401 \setlist[tabitemize] {%
402 nosep,
    leftmargin=*
403
405 \setlist[tabitemize, 1] {label=\labelitemi}
406 \setlist[tabitemize, 2] {label=\labelitemii}
```

Documents and Documentations for Arthur Humboldt-Universität zu Berlin For Authors and Developers

1 http://www.gust.org.pl/projects/e-foundry/tex-gyre

```
409 \clubpenalty=10000 % prevent single lines at the beginning of a paragraph (Schuste
410 \widowpenalty=10000 % prevent single lines at the end of a paragraph (Hurenkinder,
 411 \displaywidowpenalty=10000
412
413 \RequirePackage { pdfpages }
414 \RequirePackage {biblatex}
415 \addbibresource { \ jobname-bibliography.bib}
416 \addbibresource { \ jobname-ctan.bib}
417 \RequirePackage{ccicons} %creative commons
418 \RequirePackage { xparse }
419 \RequirePackage{ragged2e}
420 \RequirePackage {microtype}
421 \RequirePackage{xspace}
422 \RequirePackage { graphicx }
423 \graphicspath{{img/}}
424 \RequirePackage{etoolbox}
425 %https://tex.stackexchange.com/a/235881/98739
426 \AfterEndPreamble { \maketitle }
428 % https://tex.stackexchange.com/a/401466/98739
429 \makeatletter
430 \renewcommand* { \maketitle } { %
               % taken and shortened from /usr/share/texmf/tex/latex/koma-script/scrartcl.cls
              \begin{titlepage}
432
             \newgeometry{left=3cm, right=3cm, top=1.5cm, bottom=2cm}
             \global\@topnum=\z@
             \ensuremath{\color=0$} \ensuremath{\color=0$} {\color=0$} {\color=0$} \ensuremath{\color=0$} \ensuremath{\color=
436
               {\large\@author\hfill Guideline and Documentation\par}
437
               \vskip 10em%
439 {\begin{center}\color{HUBerlin-blue}
440 {\fontsize{50}{55}\selectfont\HUBerlinshort{} \par\vskip .5em%
441 \Large\sffamily\@title}\par
442 \vskip .5em
443 \end{center}}%
444 { \left| ifx \right| @subtitle \empty \right| else \usekomafont {subtitle} \empty \empt
445 \null\vskip 5em%
446 \blockcquote[195]{Hoare1973}{Documentation must be regarded as an integral part of
447 A good programming language will encourage and assist the programmer to write clear
448 self-documenting code,
449 and even perhaps to develop
450 and display a pleasant style
451 of writing.}
452 \null\vfill
453 {\usekomafont{subtitle}{\@date \hfill
454 \includegraphics[width=4cm] {texografie} \ \ } }%
           \par
455
456 \vskip oem
              \restoregeometry
           \end{titlepage}
458
459 } 응
```

```
460 \makeatother
462 \RequirePackage {xcolor}
463 \definecolor{HUBerlin-blue}{RGB}{0,65,137} % HEX 004189
464 \definecolor{HUBerlin-green}{RGB}{150,190,20} % HEX 93C11A % Topoi
465 \definecolor{HUBerlin-grey} {RGB} {169, 169, 169}
466 \definecolor{HUBerlin-brown} {RGB} {82,79,60}
467 \definecolor{HUBerlin-red} {RGB} {180,0,0}
469
470 \RequirePackage { dirtree }
471 \renewcommand*\DTstylecomment {%
472 \color{HUBerlin-grey}%
   \footnotesize%
473
    \sffamily}
475 \renewcommand*\DTstyle{%
   \ttfamily%
    \small%
477
    }
478
479
480 \RequirePackage[
481 markcase = noupper,
   footsepline = .5pt,
   % headsepline = .5pt,
   autooneside = false, % use left and right marks with a onesided document
   automark, % set \leftmark and \rightmark automatically by *\section and \subsection
    draft = false,
    ]{scrlayer-scrpage}
487
489 \pagestyle{scrheadings}
490 \clearscrheadfoot
491 \rofoot*{\thepage}
492 \lofoot*{\textcolor{HUBerlin-blue}{\HUBerlintitle}\ \vrule\ \textcolor{HUBerlin-
  brown \{ \ \ HUBerlinsubtitle \} \}
493 \rohead*{HUBerlin-bundle}
494 \lohead*{Version: \Version}
495 % https://tex.stackexchange.com/a/352925/98739
496 \newcommand*\partnumber{}
497 \DeclareNewLayer[
498 background,
   textarea,
   addwidth=\marginparsep+\marginparwidth,
501 mode=picture,
   contents={%
503 \putC{\makebox[opt][c]{\raisebox{-.5\height}{\scalebox{50}}{\textcolor{black!5}}{\pai
504 }
505 ] {partnumber}
506 \DeclareNewPageStyleByLayers{part}{partnumber}
507 \renewcommand\partpagestyle{part}
508 \renewcommand* { \partformat } { \qdef \partnumber { \thepart } }
510 % only a dirty workaround for the part title
```

```
511 \newcommand*\changedpartwidth[1] {%
512 \makebox[\linewidth][l]{%
513 \parbox{\dimexpr\textwidth+\marginparsep+\marginparwidth\relax}{\raggedpart#1}%
514 } %
515 }
_{516}\,\% add ackslash changedpartwidth as last command to the settings for font element part
517 \addtokomafont{part}{\Huge\changedpartwidth}
519
521 %-https://tex.stackexchange.com/a/339516/98739 | https://tex.stackexchange.com/a/90
522 % footnotes in the footer:
523 \deffootnote%
524 %[\normalparindent]%<width of mark>
    {o.ocm}%<indent of footnote text>
    {\normalparindent}%<paragraph indent in the footnote text>
    {\makebox[\normalparindent][r]%
     {\thefootnotemark\hspace*{3pt}}}%<definition of mark>
529 \newlength{\normalparindent}
530 \AtBeginDocument {\setlength {\normalparindent} {\parindent}}
531 \setfootnoterule{opt}% Kein Fußnotenstrich
532 %\setfootnoterule[<height>]{<length>}
This will put the numbers of the chapters and sections into the margin.
534 \renewcommand\sectionlinesformat[4] {%
535
     \makebox[opt][r]{#3}#4%
536 }
537 \RequirePackage {url}
538 % \urlstyle{same}
540 \setkomafont{title} {\sffamily\color{HUBerlin-blue}\flushleft\bfseries}
541 \setkomafont{disposition}{\color{HUBerlin-brown}\sffamily\bfseries\large}
542 \setkomafont{section} {\usekomafont{disposition}}
543 \setkomafont {subsection} {\usekomafont {disposition}}
544 \setkomafont{subsubsection}{\usekomafont{disposition}}
545 % \setkomafont{paragraph}{\bfseries}
546 % \setkomafont{subsubsection}{\sffamilybold}
547 \setkomafont {subtitle} {\large\color{HUBerlin-brown}\sffamily\flushleft}
548 \setkomafont {pageheadfoot} {\footnotesize\sffamily\color{HUBerlin-grey}}
549 \setkomafont {descriptionlabel} {\bfseries}
550 \setkomafont{footnotelabel}{\bfseries}
551 \addtokomafont{titlehead}{\flushright}
552 % \setkomafont{headsepline}{\color{HUBerlin-blue}}
553 %\setkomafont{marginnote}{\MakeUppercase\color{HUBerlin-brown}}
554 \addtokomafont {caption} {\scriptsize}
555 \setkomafont{captionlabel}{\bfseries\sffamily}
556 \setkomafont{subject}{\bfseries\sffamily}
557 \setcapindent { opt }
558
559 \raggedbottom
561 \RequirePackage { listings }
```

```
562 \PassOptionsToPackage{final}{listings}
563 \RequirePackage[%
564
     skins
565 , listings
566 , breakable
    ,xparse
    , documentation
569]{tcolorbox}
570 \lstMakeShortInline[language=TeX, basicstyle=\ttfamily]|
Following we load hyperxmp [6] and hyperref [5] for PDF-meta data and interactive linked text.
571 \RequirePackage{hyperxmp}
572 \RequirePackage{hyperref}
573 \hypersetup{% setup the hyperref-package options
574 unicode
                = true,
                   = {HUBerlin}, % - author (PDF meta)
575 pdfauthor
    pdfauthortitle
                       = \{ \},
577 pdfcopyright = {Copyright (c) \the\year . All rights reserved.},
   pdfhighlight = /N,
578
    pdfdisplaydoctitle = true,
poly 580 	ext{ pdfdate} = \{ \setminus today \},
581 pdflang
              = {},%de en
582 pdfcaptionwriter = {Lukas C. Bossert},
                   = {HUBerlin},
    pdfkeywords
pdfencoding = auto,
                  = {HUBerlin with LuaLaTeX},
585 pdfproducer
586 bookmarksnumbered = true,
    bookmarksopenlevel = 2,
587
588
    bookmarksopen = true,
    bookmarksdepth = 3,
589
    colorlinks = true,
                               %Colours links instead of ugly boxes
590
                   = HUBerlin-blue, %Colour for external hyperlinks
    urlcolor
592 linkcolor = black, %Colour of internal links
593 citecolor = black, %Colour of citations
594 linktoc
                   = page,
595 pdfborder
                   = \{ o \ o \ o \},
    breaklinks
                    = true, %allow line break inside links
    final
597
598 }
599 \RequirePackage{bookmark}
601 \RequirePackage[
602 sort,
603 nameinlink,
    compress,
605 ngerman, english
606 ] {cleveref}
607
609 %---- newcommands
610 \newcommand{\TeXografie}{Lukas C. Bossert
```

612 \newcommand\HUBerlin{\HUBerlintitle\xspace}

611 (www.TeXografie.de) }

```
613
614
615 \newcommand\HUBerlinFolder{%
   \begingroup%
617 \normalfont%
   \color{HUBerlin-blue}%
618
   % \faFolderOpen% taken from fontawesome
   \hspace{.3em}%
   \endgroup}
621
622
623
624
625 \RedeclareSectionCommands[
626 tocraggedpagenumber,
   toclinefill=\tocpageseparator,
628 tocindent=oem,
629 tocnumwidth=4em,
630 tocpagenumberbox=\tocpagenumberbox% <- added
631 % tocpagenumberformat=\textsf,
632 ] {chapter, section, subsection, subsubsection, paragraph}
634 \newcommand\tocgobble[1]{}% <- added
635 \newcommand\tocpageseparator{\footnotesize\, \mbox{---}\,}
636 \newcommand\tocpagenumberbox[1] {\mbox{#1}}% <- added
637 \KOMAoptions{toc=indentunnumbered}
638
639 \RedeclareSectionCommand[
640 % tocbeforeskip=1.25em plus 1pt
, tocentryformat=\large\scshape%
     ,tocindent=oem
     ,tocnumwidth=4em
     ,tocpagenumberbox=\tocgobble% <- added
645]{part}
646 %\addtokomafont{partentry}{\scshape\sffamily\bfseries}
647
648 \RedeclareSectionCommand[%
649% , beforeskip=1.15em plus 1pt%
650, tocentryformat=\textbf%
652]{chapter}
653
654
655
656
657 \newtcolorbox{example}[1][]{
658 breakable,
659 top=5pt,
660 bottom=5pt,
   colback=HUBerlin-blue!10,
662 colframe=HUBerlin-blue,
663 left=5pt,
664 right=5pt,
   sharp corners,
```

```
boxrule=opt,
    bottomrule=2pt,
   toprule=2pt,
   enhanced jigsaw,
670 lefttitle=opt,
    coltitle=white,
   fonttitle=\bfseries,
672
   fontupper=\small, %\ttfamily,
   % colbacktitle=HUBerlin-blue!20
674
    #1,
675
676 }
677
678% Replace the squat-u symbol for spaces
679 % https://tex.stackexchange.com/a/488123/98739
680 \makeatletter
681 \def \label{lstQvisiblespace} \Albertamily{\char32} $\textcolor{HUBerlin-grey}{\cdot} $
682 \makeatother
683
684
685 \lstset{%
686 basicstyle = \linespread{0.7}\listingsfont
687 , breaklines = true
688 , breakatwhitespace
689 ,alsoletter=\\\{\}\*\[\]\-
690 , showstringspaces=true
691 }
692
693 \lstdefinestyle{HUBerlinlistingstyledef}{%
694 tabsize
                 = 4,
695 breaklines = true,
   breakatwhitespace = true,
    postbreak=\mbox{$\hookrightarrow$},
   %keepspaces = true,
   escapeinside = {(*@){(@*)}},
   moredelim = {[is][\ttfamily\bfseries\color{HUBerlin-blue}]{|}{|}},
700
                 = {[is][\ttfamily\bfseries\color{HUBerlin-blue}]{|1}{1|}},
    moredelim
   moredelim = \{[is][\ttfamily\bfseries\color{HUBerlin-red}]\{|2\}\{2|\}\},
702
   aboveskip=opt,
   belowskip=opt,
704
    captionpos=b,
   resetmargins=true,
706
   sensitive=true,
   upquote=true,
708
    showspaces=true,
    showtabs=true,
   tab=\textcolor{HUBerlin-grey}{\rightarrowfill},
   %numbers=left,
712
   %numberstyle=\footnotesize\ttfamily\color{HUBerlin-grey},
    comment
              = [1]\{ \ \},
714
    commentstyle = \footnotesize\color{HUBerlin-grey}\addfontfeature{LetterSpace=.7},
    % deletecomment = [1]{\%<}
716
    % morecomment = [1][\nullfont]{\%<},</pre>
717
    % deletecomment = [is] \{ \ \ \ \ \ \ \} \}
```

```
719 }
720
721 \lstdefinestyle{HUBerlinlistingstyle}{%
722 language = \{TeX\},
             = {HUBerlinlistingstyledef},
723 style
724 }
725
726
727
728
729
730
731 \tcbset{%
732 HUBerlinstyle/.style={%
733 enhanced,
734 before skip=2mm,
735 after skip=3mm,
736 boxrule=0.7pt,
   left=2mm,
737
738 right=2mm,
739 top=2mm,
740 bottom=2mm,
741 sharp corners,
742 colback=white,
743 colbacklower=white,
744 % fonttitle=\sffamily\bfseries,
745 breakable,
   %before skip=\baselineskip,
746
747 coltitle=white,
748 colbacktitle=HUBerlin-blue!50!black,
   fonttitle=\bfseries\sffamily\footnotesize,
    % before upper={\mynote{\thetcbcounter}},
   title={\hfill{Example \thetcbcounter}},
751
753 codecomment/.style={%
754 listing outside comment, %
755 boxrule=opt,
756 colback=white,
757
758 }
759
760 \newtcolorbox{warning}[1][]{
761 enhanced,
762 before skip=2mm,
763 after skip=3mm,
764 boxrule=0.7pt,
_{765} left=5mm,
766 right=2mm,
   top=2mm,
767
768 bottom=2mm,
   colback=white,
769
770 colframe=yellow!20!black,
   sharp corners,
```

```
772 rounded corners=southeast,
773 arc is angular,
774 arc=3mm,
775 underlay={%
776 \path[fill=HUBerlin-grey!80!black] ([yshift=3mm]interior.south east)--
  ++(-0.4,-0.1)--++(0.1,-0.2);
777 \path[draw=HUBerlin-grey, shorten <=-0.05mm, shorten >=-0.05mm] ([yshift=3mm]interio
  ++(-0.4,-0.1)--++(0.1,-0.2);
778 \path[fill=red!50!black, draw=none] (interior.south west) rectangle node[white] {\Huge
780 drop fuzzy shadow,
   #1
781
782
   }
783
784 \newtcblisting[%
785 auto counter,
786 crefname = {example} {examples},
787 Crefname = {Example} {Examples},
788] {codetext}[2][]{%
789 HUBerlinstyle,
790 % side text,
791 rounded corners=northeast,
   arc=6mm,
793 listing style=HUBerlinlistingstyle,
   label = #2,
795
   #1,
    }
796
797
798 \newtcblisting[%
799 use counter from=codetext,
800 crefname={code example}{code examples},
   Crefname={Code example} {Code examples} %
802]{code}[2][]{%
803 HUBerlinstyle,
804 rounded corners=southeast,
   arc=6mm,
806 listing only,
807 listing style=HUBerlinlistingstyle,
   label = #2,
808
809
   #1,
810 }
811
812
813 \DeclareTCBInputListing[%
814 use counter from=codetext,
815 crefname={code example}{code examples},
816 Crefname={Code example} {Code examples} %
817]{\HUBerlinlisting}{ O{} m }{%
818 HUBerlinstyle,
   listing file={#2},
819
   listing only,
     listing style=HUBerlinlistingstyle,
821
    #1,
```

```
823 }
824
825 \makeatletter
826 \newrobustcmd*{\fnurl}[1][]{\hyper@normalise\ltd@fnurl{#1}}
827 \def\ltd@fnurl#1#2{\footnote{#1\hyper@linkurl{\Hurl{#2}}{#2}}}
828 \makeatother
```

The first command is used to refrence packages with: \\pkg{\package name\}.\2 The name of the package is linked to its entry on CTAN and refrenced to the bibliography in the end of this documentation.

```
829 \RequirePackage{newfile}
830 \newoutputstream{pkglist}
831 \NewDocumentCommand{\pkg}{om}{%
832 \IfNoValueTF{#1}
833 {\lowercase{\href{http://www.ctan.org/pkg/#2}}{\textbf{#2}}}
834 {\lowercase{\href{http://www.ctan.org/pkg/#1-#2}}{\textbf{#2}}}%
835 \space\cite{#2}%
836 \addtostream{pkglist}{#2}}
837 \newrobustcmd*{\{\lit\}[1]\{\textsf{\#1}\}}
838 \newrobustcmd*{\Code}[1]{\texttt{#1}}
839 \newrobustcmd*{\tex}{\TeX}
840 \newrobustcmd*{\etex}{\mbox{e-TeX}}
841 \newrobustcmd*{\pdftex}{pdf}-\tex}
842 \newrobustcmd*{\xetex}{Xe\-\tex}
843 \newrobustcmd*{\luatex}{Lua\-\tex}
844 \newrobustcmd*{\latex}{\LaTeX}%{La\kern-o.o7em TeX}
845 \newrobustcmd*{\pdflatex}{pdf\-\latex}
846 \newrobustcmd* {\xelatex} {Xe\-\latex}
847 \newrobustcmd*{ \lualatex} {Lua\-\latex}
848 \newrobustcmd* {\miktex} {Mik\-\tex}
849 \newrobustcmd*{\texlive}{\tex~live}
850 \newrobustcmd*{\bibtex}{Bib\kern-o.o7em TeX}
851 \newrobustcmd*{\lppl}{\latex{} Project Public License}
852 \newrobustcmd*{\pdf}{{PDF}}
853 \newrobustcmd*{\md}{{MarkDown}}
854 \newrobustcmd*{\utf}{\mbox{{UTF}}-8}}
855 \% no \mbox here, we may have to break things
856 \newrobustcmd*{\bibfield}[1]{\Code{#1}}
857 \newrobustcmd*{\opt}[1]{\Code{#1}}
858 \newrobustcmd*{\bibmacro}[1]{\Code{#1}}
859 \newrobustcmd*{\bibtype}[1]{\Code{@#1}}
860 %\renewrobustcmd*{\cmd}[1]{\Code{\textbackslash #1}}
861 \renewrobustcmd \meta[1] { \normal font { \textlangle } { \itshape #1 \ / } { \textrangle } }
862
863 % directly taken from ltxdoc.dtx
864 \renewrobustcmd\marg[1] {%
    {\ttfamily\textcolor{HUBerlin-red}{\{}}}%
     \meta{#1}%
     {\ttfamily\textcolor{HUBerlin-red}{\}}}%
867
```

2 Do not forget to insert the name of the package into the makefile in the definition of PKG.

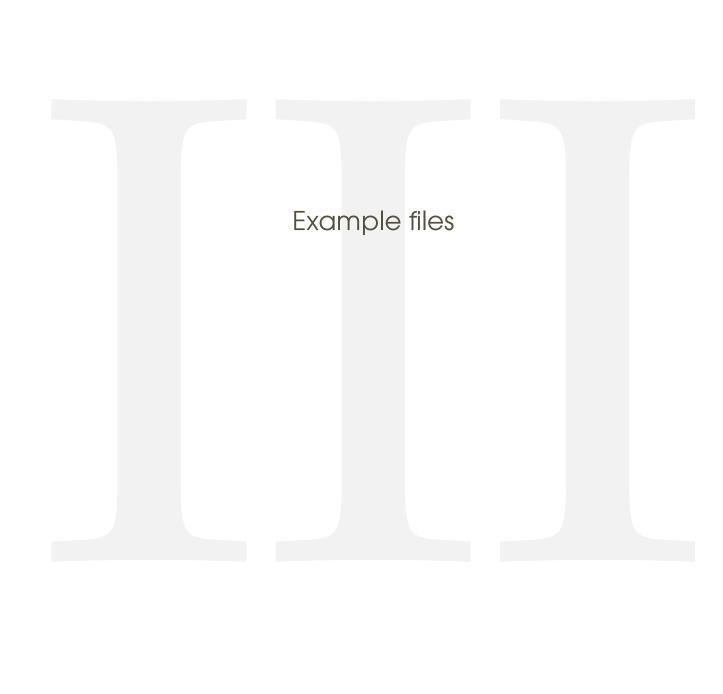
```
869
870 \renewrobustcmd\oarg[1] {%
    {\ttfamily\textcolor{HUBerlin-green}{[}}%
     \meta{#1}%
    {\ttfamily\textcolor{HUBerlin-green}{]}}%
873
874
875
876 % adapted from listings.dtx (lstdoc.sty)
877 \renewrobustcmd\cmd[1]{%
   \texttt{\color{HUBerlin-blue}\textbackslash\string#1}\xspace%
879
880
881 \newrobustcmd\env[2][]{%
882 \texttt{%
883 \color{HUBerlin-blue}%
884 \textbackslash begin \{\string#2\}#1}%
885 \ldots
    \texttt{%
887 \color{HUBerlin-blue}%
888 \textbackslash end\{\string#2\}}%
889 \xspace}
```

For a common layout of the parameter style to identify code of the different documents, files and packages we use \param{\(name of the parameter \) \}.

```
890 \newcommand\param[1] {%
891
    \begingroup%
   \normalfont%
892
   \ttfamily%
893
   \bfseries%
   \textless%
805
   #18
896
    \ttfamily%
897
    \bfseries%
898
    \textgreater%
899
   \endgroup}
900
901 \pdfstringdefDisableCommands { %
902 \def\lstinline#1{<#1>}
903 \def\tex{TeX}%
904 \def\etex{e-TeX}%
905 \def\xetex{XeTeX}%
906 \def\latex{LaTeX}%
907 \def\xelatex{XeLaTeX}%
908 \def\bibtex{BibTeX}%
909 \def\lppl{LaTeX Project Public License}%
910 \def\pdf{PDF}%
911 \def\utf{UTF-8}%
912 \def\\{}%
913 \def\texttt#1{<#1>}%
914 \def\marg#1{\{#1\}}%
915 \def\oarg#1{[#1]}%
916 \def\color#1#2{}%
917 \def\env#1{<#1>}
918 \def\cmd#1{#1}
```

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7 Letter

7.1 From .tex

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Erika Musterfrau Musterweg 43 56789 Musterhausen

Philosophische Fakultät

Institut für Briefvorlagen

Here you can more text.

Prof. Dr. Maike Musterfrau Dekan

Betreff

Sehr geehrte Frau Musterfrau,

Dies hier ist ein Blindtext zum Testen von Textausgaben. Wer diesen Text liest, ist selbst schuld. Der Text gibt lediglich den Grauwert der Schrift an. Ist das wirklich so? Ist es gleichgültig, ob ich schreibe: "Dies ist ein Blindtext" oder "Huardest gefburn"? Kjift - mitnichten! Ein Blindtext bietet mir wichtige Informationen. An ihm messe ich die Lesbarkeit einer Schrift, ihre Anmutung, wie harmonisch die Figuren zueinander stehen und prüfe, wie breit oder schmal sie läuft. Ein Blindtext sollte möglichst viele verschiedene Buchstaben enthalten und in der Originalsprache gesetzt sein. Er muss keinen Sinn ergeben, sollte aber lesbar sein. Fremdsprachige Texte wie "Lorem ipsum" dienen nicht dem eigentlichen Zweck, da sie eine falsche Anmutung vermitteln. Dies hier ist ein Blindtext zum Testen von Textausgaben. Wer diesen Text liest, ist selbst schuld. Der Text gibt lediglich den Grauwert der Schrift an. Ist das wirklich so? Ist es gleichgültig, ob ich schreibe: "Dies ist ein Blindtext" oder "Huardest gefburn"? Kjift - mitnichten! Ein Blindtext bietet mir wichtige Informationen. An ihm messe ich die Lesbarkeit einer Schrift, ihre Anmutung, wie harmonisch die Figuren zueinander stehen und prüfe, wie breit oder schmal sie läuft. Ein Blindtext sollte möglichst viele verschiedene Buchstaben enthalten und in der Originalsprache gesetzt sein. Er muss keinen Sinn ergeben, sollte aber lesbar sein. Fremdsprachige Texte wie "Lorem ipsum" dienen nicht dem eigentlichen Zweck, da sie eine falsche Anmutung vermitteln.

Datum: 6.6.2019

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Mit freundlichen Grüßen

Prof. Dr. Maike Musterfrau - Dr. Max Mustermann

PS: ...

Anlage: Anlage 1 Anlage 2

Kopie an: Verteiler 1 Verteiler 2

7.2 From **.md**

Version: 2019/06/06 vo.0.2 HUBerlin-bundle

HUMBOLDT-UNIVERSITÄT ZU BERLIN



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Alexander von Humboldt Unter den Linden 6 10099 Berlin

Sehr geehrte Damen und Herren

Thank you very much for your letter.

Mit freundlichen Grüßen

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Here you can more text.

Prof. Dr. Maike Musterfrau

Datum: 10. Mai 2010

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