I. Use cases in LATEX

Documenting a package, or class, is best done through use cases showing both the code and the corresponding result.¹

1. "Inline" codes

Example I.1 (Standard use). The \tdoclatexin macro \(^2\) can be used to type code in line in a similar way to \verb, or as a standard macro (see the handling of braces in the latter case below). Here are some examples of use.\(^3\)

Example I.2 (Possible options). As the \tdoclatexin macro is based on minted, you can use all the options taken into account by minted. Here are some examples.

```
The \tdoclatexin macro can be used in a footnote as shown below.<sup>a</sup>

*minted = TOP$ has been typed \tdoclatexin+$minted = TOP$+ in this footnote.
```

2. Directly typed codes

Example I.3 (Side by side). Displaying a code and its rendering side by side is done as follows where the macro \tdoctcb allows you to just type tdoctcb{sbs} instead of listing side text (sbs is for "s-ide b-y s-ide", while tcb is the standard abbreviation for tcolorbox). Note the use of rafters, not square brackets (more on this later).

```
\begin{tdoclatex}<\tdoctcb{sbs}>
$A = B + C$
\end{tdoclatex}
```

This gives:

Example I.4 (Following). \begin{tdoclatex} ... \end{tdoclatex} produces the following result (this default setting is also obtained by using \tdoctcb{std}).4

```
A = B + C
A = B + C
```

Example I.5 (Just the code). Via \tdoctcb{code}, we'll just get the code as below.

```
\$A = B + C\$
```

Example I.6 (Customise). The tdoclatex environment accepts two types of optional argument.

- 1. Between classic square brackets, you can use any option taken into account by minted.
- 2. Between rafters, you can use any option managed by the environments obtained via tcolorbox.

For example, the following modifications can be made if required.⁵

¹Code is formatted using the minted and tcolorbox packages.

²The name of the macro \tdoclatexin comes from "in·line LATEX"

³A background color is deliberately used to subtly highlight the \LaTeX codes.

⁴std refers to the "standard" behaviour of tcolorbox in relation to the minted library.

⁵This documentation uses the options between rafters to obtain correct rendering of code producing shaded frames: see the section ?? on page ??.

This gives:

Warning.

To obtain the default formatting for a code beginning with a bracket or a rafter, you'll need to do a bit of fiddling, as shown below.

```
| \begin{tdoclatex}[] | [Strange... Or not!] | \end{tdoclatex} | OR. | \begin{tdoclatex} <> \strange... Or not!> | \end{tdoclatex} | \end{tdoclatex} | Or not!> | \end{tdoclatex} | \end{tdoclatex}
```

This gives:

```
[Strange... Or not!]
[Strange... Or not!]
```

OR.

```
<Strange... Or not!>
```

Another method is to use the \slash string primitive, as shown below.

```
\begin{tdoclatex}
\string[Strange... Or not!]
\end{tdoclatex}
OR.
\begin{tdoclatex}
\string<Strange... Or not!>
\end{tdoclatex}
```

This gives:

```
[Strange... Or not!]
[Strange... Or not!]
```

OR.

```
<Strange... Or not!>

<Strange... Or not!>
```