Veriopt Theories

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Contents

1 Snipping

theory *Snipping*
  imports *Main*
  keywords
    snipbegin :: *document-heading* **and**
    snipend :: *document-heading*
begin

Snippets allow specific components of the LaTeX document preparation to be included in other documents.

ML ‹
```
(*
I thought the document-command was what generated the LaTeX output,
however, it appears to be hard−coded which makes this a bit of a hack.
*)
fun wrapped-command (command: string) (name: string option) =
  let
    val command = \\ ^ command
    val argument = case name of
      NONE =>  |
      SOME v => ({ ^ v ^})
    val latex = (command ^ argument)
    val - = @{print} latex;
  in
    Document-Output.document-output
       {markdown = false,
        markup = fn - => Latex.enclose-text %\n \n (Latex.string latex)}
    (*(Pure-Syn.document-command {markdown = false} (NONE, doc))*)
  end

val - =
```

*Outer-Syntax.command (snipbegin, **here**) start a snippet*
  (Parse.opt-target −− Parse.document-source >>
  (fn (opt, n) =>
  wrapped-command isamarkupsnipbegin (SOME (Input.string-of n)) (opt, n)));

val - =
  *Outer-Syntax.command (snipend, **here**) finish a snippet*
  (Parse.opt-target −− Parse.document-source >>
  (fn (opt, n) =>
  wrapped-command isamarkupsnipend (NONE) (opt, n)));
›

Snippets should be enclosed within the **snipbegin** and **snipend** commands. For example, the box below is produced by the following:

snipbegin "snip-example"
text "Hello world!"
snipend

> *snip-example*
>
> Hello world!

end