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 - => XML.enclose %\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

> Hello world!

end