

Veriopt Theories

March 23, 2023

Contents

1 Snipping	1
-------------------	----------

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

```



```

end

```