

Re: Prolog -> Tex

Source: <http://coding.derkeiler.com/Archive/Prolog/comp.lang.prolog/2005-05/msg00152.html>

- *From:* "Brian Hulley" <brianh@xxxxxxxxxxxx>
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gipsy boy wrote:

> Hello,
>
> I'd like to convert my Prolog code to some fancy looking
> Tex/PDF/HTML/whatever (preferably Tex).
> Any idea how to do that?

A file of Prolog code is just a sequence of Prolog terms. Therefore you could just read each term in turn, determine whether the term is a clause or declaration (ie is principal functor :-/1) then recursively traverse each term writing out the appropriate markup at each step.

I can't remember any Tex off hand but in HTML, assuming you have a style sheet with the styles for the various elements, you could produce output like:

```
<div class="clause">  
<div class="functor">member</div>  
<div class = "punctuation"></div>  
<div class = "variable">E</div>  
<div class = "punctuation">,</div>  
...  
</div>
```

to format "member(X, ..."

with code such as:

```
format_clause(Clause) :-  
write_div_begin(clause),  
(  
Clause = (Head :- Body)  
->  
format_head(Head),  
write_punctuation(':-'),  
format_body(Body)  
;  
format_head(Clause)
```

),
write_div_end.

write_div_begin(X) :-
write('<div class = \"',write(X),write('>').

write_div_end :- write('</div>').

etc

Regards, Brian.

.

• **References:**

◆ **Prolog -> Tex**

◇ *From:* gipsy boy

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