

CoCoA-5 - Bug #697

Interpreter: Avoid outputting an empty line after each line of input

11 May 2015 14:43 - John Abbott

Status:	Closed	Start date:	11 May 2015
Priority:	Normal	Due date:	
Assignee:	Anna Maria Bigatti	% Done:	100%
Category:	Parser/Interpreter	Estimated time:	1.01 hour
Target version:	CoCoA-5.2.2	Spent time:	0.75 hour
Description			
CoCoA-5 prints an empty line after each input line which outputs nothing.			
Might be related to the fact that standalone expressions are equivalent to <code>println <expr>?</code>			
Related issues:			
Related to CoCoA-5 - Feature #500: Interpreter: is it possible to avoid use...		Closed	28 Mar 2014

History

#1 - 29 Jul 2015 23:20 - John Abbott

- Priority changed from Normal to Low
- Target version changed from CoCoA-5.1.2 summer 2015 to CoCoA-5.1.3/4 Jan 2016

This is just a cosmetic issue; so I have lowered the priority, and postponed to next version of C5. I think it will involve some time-consuming understanding of the interpreter code; probably the actual fix will be fairly simple (once the code for the interpreter has been comprehended).

#2 - 16 Feb 2016 16:26 - John Abbott

- Target version changed from CoCoA-5.1.3/4 Jan 2016 to CoCoA-5.?.?

#3 - 07 Apr 2017 15:28 - Anna Maria Bigatti

- Assignee set to Anna Maria Bigatti
- Priority changed from Low to Normal
- Target version changed from CoCoA-5.?.? to CoCoA-5.2.2
- % Done changed from 0 to 10

The line printing the newline is this, in LineProviders.H:

```
std::string promptHeader() const { return openBlocks.empty() ? "\n" : "\n"+openBlocks.back(); }
```

#4 - 07 Apr 2017 15:56 - John Abbott

Perhaps the interpreter needs to have a flag saying whether a newline should be printed before printing the prompt. The flag starts off as false, and it reset to false by the command `println` (which already prints a newline). The command `print` sets the flag to true (unless the string it prints is empty?)

This heuristic does mean that there is a slight difference between `println`; and `print "\n"`;
But I do not think that this is very important.

#5 - 07 Apr 2017 16:23 - Anna Maria Bigatti

I'm very tempted just to remove this empty line in all cases.... after all I also remove them in the manual and in my demos!

#6 - 07 Apr 2017 16:41 - Anna Maria Bigatti

- *Target version changed from CoCoA-5.2.2 to CoCoA-5.2.0 spring 2017*

- *% Done changed from 10 to 60*

#7 - 07 Apr 2017 16:51 - John Abbott

- *Status changed from New to In Progress*

- *Target version changed from CoCoA-5.2.0 spring 2017 to CoCoA-5.2.2*

- *% Done changed from 60 to 10*

There is a class called OSTREAM in Interpreter.H:274.

Perhaps that class could contain a flag which says whether the last output line ended with a newline?

#8 - 07 Apr 2017 17:19 - Anna Maria Bigatti

removed the empty lines, and checked in.

I like it! A lot more compact :-)

Have a look, what do you think?

#9 - 15 Nov 2017 18:11 - John Abbott

Seems OK to me.

Let's worry later (if at all) about outputting a newline if the last print line didn't have one...

Close?

#10 - 04 Dec 2017 11:20 - Anna Maria Bigatti

- *Status changed from In Progress to Feedback*

- *% Done changed from 10 to 90*

- *Estimated time set to 1.01 h*

#11 - 11 Dec 2017 17:08 - Anna Maria Bigatti

- *Status changed from Feedback to Closed*

- *% Done changed from 90 to 100*