CoCoA-5 - Support #251

How to add a test for CoCoA-5 (CoCoAInterpreter)

02 Oct 2012 09:10 - Anna Maria Bigatti

Status:	Closed	**Start date:**	02 Oct 2012
Priority:	Normal	**Due date:**	
Assignee:	Anna Maria Bigatti	**% Done:**	100%
Category:	Manual/documentation	**Estimated time:**	1.50 hour
Target version:	CoCoA-5.1.2 summer 2015	**Spent time:**	1.75 hour

Description

1. write a test file **foo.cocoa5** in **tests**/
2. run it and check if it really does what you want it to do ;-)
3. add **foo.cocoa5** in **tests**/**Makefile** (in the list TESTS= ...)
4. in **tests**/ run (the first **make check** will obviously return an error)

```
make check
mv foo.found foo.out
make check
```

See below for external libs

Related issues:

Related to CoCoA-5 - Feature #243: Normaliz tests for CoCoA5	**Closed**	**28 Sep 2012**
Related to CoCoA-5 - Support #286: How to test (automatically) a user defined...	**Closed**	**11 Dec 2012**
Related to CoCoA-5 - Feature #500: Interpreter: is it possible to avoid usele...	**Closed**	**28 Mar 2014**

History

#1 - 02 Oct 2012 09:54 - Anna Maria Bigatti

For external libraries:
same as above, but the test file has to be called, say for library **Foo**,
ExtLibFOO.cocoa5

Such test is run only if the variable **HAVE_FOO** is set to "yes" in **autoconf.mk**.

If it isn't no test is run, because a different mechanism has to be used to automatically check "errors" in an easy way (still thinking ...)

#2 - 29 Nov 2012 08:21 - Anna Maria Bigatti

- Category set to Portability

#3 - 29 Nov 2012 08:22 - Anna Maria Bigatti

- Category deleted (Portability)

#4 - 23 Jan 2013 12:31 - Anna Maria Bigatti

- Category set to Manual/documentation

#5 - 02 Apr 2014 17:33 - Anna Maria Bigatti

- Target version set to CoCoA-5.1.0 Easter14

#6 - 14 Apr 2014 09:19 - Anna Maria Bigatti

- Estimated time set to 1.50 h

#7 - 14 Apr 2014 11:02 - John Abbott

JAA suggests as a general rule: try to avoid designing tests that produce much output (unless the test specifically checks some "output" function).

Why do I think this? Not entirely sure; but I definitely prefer "silent" tests(*e.g.* TEST_ASSERT(fn(a,b) == c)).

If a test is long, it might be worth printing out a little "progress report" every so often...?

#8 - 05 May 2014 12:14 - John Abbott

I have recently added a new C5 test (exbugs.cocoa5) and was surprised to find that it produces output. What happened was that the file was read using *input redirection* rather than being passed to C5 as a comand line argument; this means that every input line produced a prompt.

I suggest passing the file name as a cmd line arg to avoid this; doing so would make exbugs.cocoa5 a "silent" test. This would then require modifying the expected output of all tests.

#9 - 07 May 2014 14:13 - John Abbott

- Target version changed from CoCoA-5.1.0 Easter14 to CoCoA-5.1.1 Seoul14

#10 - 11 Sep 2014 17:45 - John Abbott

- Target version changed from CoCoA-5.1.1 Seoul14 to CoCoA-5.1.2 summer 2015

#11 - 29 Jul 2015 12:12 - Anna Maria Bigatti

- Status changed from Resolved to Closed

- % Done changed from 90 to 100