

CoCoA-5 - Bug #117

Added 3 times defn of isblank fn

03 Apr 2012 14:44 - John Abbott

<b>Status:</b>	Closed	<b>Start date:</b>	03 Apr 2012
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	John Abbott	<b>% Done:</b>	100%
<b>Category:</b>	Portability	<b>Estimated time:</b>	2.00 hours
<b>Target version:</b>	CoCoA-5.1.3/4 Jan 2016	<b>Spent time:</b>	1.35 hour
<b>Description</b> To enable compilation on MSVC, I had to add defn of isblank. Currently there are 3 separate (but identical) defns in the following files: <ul style="list-style-type: none"><li>• AST.C</li><li>• C5.C</li><li>• Lexer.C</li></ul> It would be better to have a single defn somewhere; or perhaps import it from BOOST (if they offer one).			

History

#1 - 03 Apr 2012 14:58 - John Abbott

As far as I can tell BOOST does not offer such a simple fn.

#2 - 31 May 2012 18:11 - Anna Maria Bigatti

- Category set to Portability

#3 - 01 Jun 2012 23:44 - John Abbott

Maybe put IsBlank into a file called **C5utils**?  
What do you think? Perhaps a few other fns could be moved there too?

#4 - 02 Jun 2012 22:54 - Anna Maria Bigatti

John Abbott wrote:  
  
    Maybe put IsBlank into a file called **C5utils**?  
    What do you think? Perhaps a few other fns could be moved there too?

I think it could be a good idea.  
It could be a good place for functions which might be sooner or later imported from BOOST or C++11

#5 - 02 Apr 2014 17:34 - Anna Maria Bigatti

- Target version set to CoCoA-5.1.0 Easter14

#6 - 09 Apr 2014 17:35 - John Abbott

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

**#7 - 28 Aug 2014 14:20 - John Abbott**

- *Target version changed from CoCoA-5.1.1 Seoul14 to CoCoA-5.1.2 summer 2015*
- *Estimated time changed from 1.00 h to 2.00 h*

**#8 - 30 Jul 2015 17:25 - John Abbott**

There is a C++ function called `isspace` which returns true for space, TAB, and 4 others: `'\n'` (newline), `'\v'` (vertical tab), `'\f'` (form feed), `'\r'` (carriage return).

The fn comes from C, and appears to be in header `<cctype>`.

Can we replace `IsBlank` by this standard function? Our defn of `IsBlank` simply checks for space or TAB.

**#9 - 30 Jul 2015 17:33 - John Abbott**

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

Postponing to next version. Increased priority (so I might actually do something).

**#10 - 08 Oct 2015 14:41 - John Abbott**

- *Status changed from New to In Progress*
- *% Done changed from 0 to 20*

I have put the fn into a new file `C5Utils.H`; so far there is no `C5Utils.C` file. Everything compiles, and tests pass.

Is it worth creating a new file to avoid repeated defn of such a short and simple fn?

**Note:** I changed the name of the fn to `IsBlank`

**#11 - 08 Oct 2015 14:49 - John Abbott**

- *Assignee set to John Abbott*

I recall that GMP often has a file containing just a single function, and indeed for speed of recompilation it is better to have many small files.

It is certainly not a good idea to have several functions with the same name and same definition.

So overall I think it is worth creating an extra file.

**#12 - 09 Oct 2015 20:11 - John Abbott**

- *Status changed from In Progress to Feedback*
- *% Done changed from 20 to 90*

I've checked in: 1 new file, 3 modified files. All should be OK.

**#13 - 17 Feb 2016 13:25 - John Abbott**

- *Status changed from Feedback to Closed*
- *% Done changed from 90 to 100*

Apparently this has been working fine for 4 months or more, so closing.