Anubis - Feature #23 Add a Warning on unused parameter in a function

10/10/2007 11:52 PM - Anonymous

Status:	New	Start date:	
Priority:	Low	Due date:	
Assignee:	Alain Prouté	% Done:	0%
Category:	Compiler	Estimated time:	0.00 hour
Target version:	1.x		
Platform:		Triage Stage:	
Resolution:			
Description			
If a function parameter is never used, it would be nice that the compiler outputs a warning about this.			

History

#1 - 10/12/2007 10:48 AM - Alain Prouté

- Status changed from New to Assigned

Of course, this would only concern top level functions, not functions defined by the arrow |->. For example, in the widgets, it is often the case that a callback does not use its arguments. Furthermore, all functions taking a unique argument of type **One** do not use it in general. This argument is nevertheless mandatory for delaying execution.

This makes also a problem for example for the function forget defined in predefined.anubis. We don't want to have a warning at each use of forget.

However, it may be the case that forget is the only case of unused argument really useful.

A solution may be to send a warning only if the function is top level and has at least two arguments. What do you think of that ?

#2 - 10/12/2007 09:20 PM - Anonymous

May be we can use a way like C/C++ compilers: when we want to explicitly not use a argument, we simply remove its name into the parameter declaration (so there is only its type).

I don't know if it's possible without breaking the Anubis grammar parser...

#3 - 10/12/2007 10:21 PM - Alain Prouté

What do you think of this: just use an underscore as the name for an intentionnally non used argument (for all sorts of functions) ?

As a consequence, a warning will be sent if the argument has another name and is not used.

#4 - 10/12/2007 10:24 PM - Alain Prouté

Remark that we may apply the same method to resurgent symbols in conditionals (indeed, cases in conditionals are some kind of inline functions, **head then body** being equivalent to **head |-> body**). But maybe it's too many constraints.

#5 - 04/17/2008 10:54 PM - Alain Prouté

- Status changed from Assigned to New