

## CoCoA-5 - Bug #1489

### Unhelpful error message for package followed by identifier (without dollar sign)

17 Sep 2020 16:09 - John Abbott

|  |                     |                        |             |
|--|---------------------|------------------------|-------------|
| <b>Status:</b>   | Closed              | <b>Start date:</b>     | 17 Sep 2020 |
| <b>Priority:</b>   | Low                 | <b>Due date:</b>       |             |
| <b>Assignee:</b>   | John Abbott         | <b>% Done:</b>         | 100%        |
| <b>Category:</b>   | enhancing/improving | <b>Estimated time:</b> | 1.99 hour   |
| <b>Target version:</b>   | CoCoA-5.4.0         | <b>Spent time:</b>     | 1.95 hour   |
| <b>Description</b>   |                     |                        |             |
| The following produces a misleading error message  |                     |                        |             |
| <pre>package abc; --&gt; ERROR: I was expecting a package name but I've found the keyword "abc" --&gt; package abc; --&gt;           ^^^</pre> |                     |                        |             |
| The point being that package expects to be followed by a dollar sign.<br>I don't know why it thinks that abc is a <i>keyword</i> ?!?           |                     |                        |             |

#### History

##### #1 - 30 Sep 2020 17:36 - John Abbott

It looks like the error mesg was generated by Parser.H:159.  
There is also a comment in the code referring to [#673](#).

##### #2 - 02 Oct 2020 16:38 - John Abbott

- Status changed from New to Resolved
- Assignee set to John Abbott
- Target version changed from CoCoA-5.4.2 to CoCoA-5.4.0
- % Done changed from 0 to 70

It seems that the root cause was in LexemeClass... which was poorly written (by me?).  
I have rewritten it, and all seems to be OK now.

I must still develop some tests:

- (1) work OK on correct input (*i.e.* export \$name)
- (2) gives helpful error mesg for incorrect input: namely package followed by keyword, string literal, number, identifier, symbol, EOF.

##### #3 - 03 Oct 2020 17:20 - John Abbott

- % Done changed from 70 to 80

I have added some tests to a new file called test-package.cocoa5.  
Not yet checked in: awaiting comments on [#1495](#) about what err mesgs should be produced.

##### #4 - 14 Oct 2020 12:31 - Anna Maria Bigatti

John Abbott wrote:

I have added some tests to a new file called test-package.cocoa5.

Not yet checked in: awaiting comments on [#1495](#) about what err mesgs should be produced.

(why [#1495](#)?)

I was caught a few times by this error: I forgot the need of "\$".

I changed the definition in Parser.C (as for other humanReadable strings) so now says so:

```
I was expecting a package name ("PkgName") but I've found the keyword "abc"
```

**#5 - 14 Oct 2020 13:58 - John Abbott**

- *Status changed from Resolved to Closed*

- *% Done changed from 80 to 100*

- *Estimated time set to 1.99 h*