

## Saxon - Bug #2318

### Function name "lt" not allowed if annotations are present

2015-02-19 10:47 - Michael Kay

<b>Status:</b>	Closed	<b>Start date:</b>	2015-02-19
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Debbie Lockett	<b>% Done:</b>	100%
<b>Category:</b>	XQuery conformance	<b>Estimated time:</b>	0:00 hour
<b>Sprint/Milestone:</b>		<b>Spent time:</b>	0:00 hour
<b>Legacy ID:</b>		<b>Fixed in Maintenance Release:</b>	9.6.0.5, 9.5.1.10
<b>Applies to branch:</b>	9.5, 9.6	<b>Platforms:</b>	
<b>Fix Committed on Branch:</b>	9.5, 9.6		

#### Description

From the saxon-help list:

I am trying to use transform.xq (<https://github.com/jpcs/transform.xq> )

with Saxon and Saxon objects to calling annotated functions [lt](#)

<https://github.com/jpcs/transform.xq/issues/1>

This can be reproduced by this simple XQuery:

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```
xquery version "3.0";
```

```
declare default function namespace "http://example.com";
```

```
declare %private function lt() as item()*{
```

```
()
```

```
};
```

```
()
```

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Error: System

ID: /home/vdv/projects/lab/presentations/xml-london-2015/transform.xq/lib/Untitled4.xquery

Main validation

file: /home/vdv/projects/lab/presentations/xml-london-2015/transform.xq/lib/Untitled4.xquery

Engine name: Saxon-EE XQuery 9.5.1.7

Severity: fatal

Description: XPST0003: expected "(", found "lt"

Start location: 5:0

URL: <http://www.w3.org/TR/xpath20/#ERRXPST0003>

Note that the error disappears if you remove the annotation.

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## History

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### #1 - 2015-02-23 18:19 - Debbie Lockett

- *Status changed from New to Resolved*
- *% Done changed from 0 to 100*

After reading the annotation, the Tokenizer state was not reset correctly (to default state) while parsing the function declaration, causing the function name to be wrongly classified.

Fixed in 9.5, 9.6 and 9.7 branches.

Example added as QT3 test case -s:prod-Annotation -t:annotation-34.

### #2 - 2015-03-28 12:25 - O'Neil Delpratt

- *Found in version changed from 9.5 to 9.5 9.6*
- *Fixed in version set to 9.6.0.5*

Bug fix applied in the Saxon 9.6.0.5 maintenance release. Close when applied to 9.5 release.

### #3 - 2015-04-15 18:10 - O'Neil Delpratt

- *Status changed from Resolved to Closed*
- *Fixed in version changed from 9.6.0.5 to 9.5.1.10*

Bug fix applied in the Saxon 9.5.1.10 maintenance release

### #4 - 2015-12-12 11:38 - O'Neil Delpratt

- *Applies to branch 9.5, 9.6 added*

### #5 - 2015-12-12 11:50 - O'Neil Delpratt

- *Fix Committed on Branch 9.5, 9.6 added*
- *Fixed in Maintenance Release 9.6.0.5, 9.5.1.10 added*