

## Base Language - Feature #7122

### convert default getter/setter as plain Java methods

02/14/2023 09:34 AM - Constantin Asofiei

<b>Status:</b>	WIP	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Constantin Asofiei	<b>% Done:</b>	80%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>vendor_id:</b>	GCD
<b>billable:</b>	No		
<b>Description</b>			
<b>Related issues:</b>			
Related to Base Language - Bug #7176: cleanup p2j.oo code considering the #70...			<b>New</b>

### History

#### #1 - 02/14/2023 09:35 AM - Constantin Asofiei

I don't see any reason to have the BlockManager.function/procedure wrappers for default scalar getter/setter Java methods (I'm not sure yet if extent, too, and objects/memptr will need special attention). I think it should be safe to just emit the assignment of the property like prop.assign(var); or return of a copy of the property, like return prop.duplicate();.

#### #2 - 02/14/2023 02:22 PM - Constantin Asofiei

- Assignee set to Constantin Asofiei
- Status changed from New to WIP

#### #3 - 02/15/2023 05:47 AM - Constantin Asofiei

- % Done changed from 0 to 80

For default object property getter and setters, emit a plain Java method with a return prop.duplicate(); for a getter, and a prop.assign(var); for the setter. This is currently done only for scalar properties, with types other than object or memptr.

These changes are in 7026a/14816.

#### #4 - 03/07/2023 08:03 AM - Constantin Asofiei

- Related to Bug #7176: cleanup p2j.oo code considering the #7045 and #7122 added

#### #5 - 03/14/2024 03:17 PM - Constantin Asofiei

In 8363d, a property getter with only a 'return <literal>.' body will convert to a Java return which will wrap the literal to a BDT, like return new character("literal");. This avoids the overhead of the BlockManager APIs.