Base Language - Bug #12145

Functions with conflicting return types are broken during incremental conversion

11/09/2026 06:38 AM - Dănuț Filimon

Status:	New	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**% Done:**	0%
Category:		**Estimated time:**	0.00 hour
Target version:			
billable:	No	**reviewer:**	
vendor_id:	GCD	**production:**	No
case_num:		**env_name:**	
version_reported:		**topics:**	Incremental Conversion
version_resolved:			

Description

Related issues:

Related to Conversion Tools - Feature #7169: drive conversion order using use...	**Review**

History

#1 - 11/09/2026 06:47 AM - Dănuț Filimon

Examples:

- func_ret_a.p:

```
function fret returns character (): return "a". end.
function fother returns character (): return "o". end.
message fret() fother().
```

- func_ret_b.p

```
function fret returns integer (): return 1. end.
message fret().
```

- func_ret_caller.p

```
message dynamic-function("fret").
```

Conversion reports WARNING: Duplicate function definition fret with different return types: character and integer during Post-Parse Fixups because a and b files contain the fret function with different return types, this means the caller ends up with an empty execute call (message(DYN_FUNC_CALL_SITE_1.clone().execute());)

Steps to reproduce:

1. Run a full conversion
2. Add a space to func_ret_a.p, then run incremental conversion
3. Add a space to func_ret_caller.p, then run incremental conversion
4. Add a space to func_ret_b.p, then run incremental conversion
5. Add a space to func_ret_caller.p, then run incremental conversion

Caller now contains the following code: message(DYN_FUNC_CALL_SITE_1.clone().execute(integer.class)); which is wrong, we still have the same code we used for converting initially with zero actual logic changes.

#2 - 11/09/2026 06:48 AM - Dănuț Filimon

- topics Incremental Conversion added

#3 - 11/09/2026 06:48 AM - Dănuț Filimon

- Related to Feature #7169: drive conversion order using user-specified dependencies added