

Base Language - Bug #6963

Incorrect conversion of legacy class constructors with an unknown argument of object type

11/28/2022 04:44 PM - Vladimir Tsichevski

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No	version:	
vendor_id:	GCD		
Description			
Related issues:			
Related to Base Language - Bug #7315: unknown literal passed as an argument t...			Closed

History

#1 - 11/28/2022 04:57 PM - Vladimir Tsichevski

If an unknown value is passed an an argument to a class constructor, the conversion produces an correct call.

The legacy class:

```
CLASS unittests.SampleClassConstructors :
    CONSTRUCTOR PUBLIC SampleClassConstructors ( arg1 AS CHARACTER,
        o1 AS Progress.Lang.Object,
        o2 AS Progress.Lang.Object ):
    END.
END.
```

The test program ABLUnit:

```
USING OpenEdge.Core.Assert.
USING unittests.SampleClassConstructors.

ROUTINE-LEVEL ON ERROR UNDO, THROW.

CLASS unittests.TestClassConstructorObject :

    DEFINE PRIVATE VARIABLE object1 AS Progress.Lang.Object NO-UNDO.
    DEFINE PRIVATE VARIABLE object2 AS Progress.Lang.Object NO-UNDO.

    @Before.
    METHOD PUBLIC VOID BeforeClass():
        object1 = NEW Progress.Lang.Object().
        object2 = NEW Progress.Lang.Object().
    END METHOD.

    @Test.
    METHOD PUBLIC VOID TestObject1():
        Assert:NotNull(NEW SampleClassConstructors("abcd", ?, object2)).
    END METHOD.

    @Test.
    METHOD PUBLIC VOID TestObject2():
        Assert:NotNull(NEW SampleClassConstructors("abcd", object1, ?)).
    END METHOD.

END.
```

The conversion result:

```
@LegacySignature(type = Type.METHOD, name = "TestObject1")
@Test
public void testObject1()
{
    internalProcedure(TestClassConstructorObject.class, this, "TestObject1", new Block((Body) () ->
    {
        Assert.assertNotNull(ObjectOps.newInstance(SampleClassConstructors.class, "III", "abcd", object2));
    }));
}

@LegacySignature(type = Type.METHOD, name = "TestObject2")
@Test
public void testObject2()
{
    internalProcedure(TestClassConstructorObject.class, this, "TestObject2", new Block((Body) () ->
    {
        Assert.assertNotNull(ObjectOps.newInstance(SampleClassConstructors.class, "III", "abcd", object1));
    }));
}
```

Note: the unknown arguments are just missing in Java calls to ObjectOps.newInstance.

#3 - 05/01/2023 09:04 AM - Constantin Asofiei

- Project changed from Conversion Tools to Base Language

#4 - 05/01/2023 09:05 AM - Constantin Asofiei

- Related to Bug #7315: unknown literal passed as an argument to a 'object' parameter added