Bug 000003 – splitFunction problem

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Status: solved Reported: 2013-04-12 22:00 HKT by Thomas Chan

Product: Code-Similarity Assigned to: Bill Yeung

Component:

Version: unspecified

Platform: PC Microsoft Windows 7

Importance: high

Thomas Chan 2013-04-12 22:00 HKT

Under FuncByFuncCompararTest test case testCompare\_6 and testCompare\_7, I found out that Utility. splitFunction sometimes ignore the first function and return only other functions.

The test case using below code as testing:

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@Test

// Test FuncByFuncComparar compare function (multi functions, partial identical)

public void testCompare\_6() {

String ori = "int a(){a1();}\nint b(){b1();}\nint c(){c1();}\nint d(){d1();}";

String tar = "int a(){a1();}\nint b(){b1();}";

Comparar c = new FuncByFuncComparar(tar, ori);

assertEquals(c.compare(new Formatter(), new Output()), "0.5");

}

@Test

// Test FuncByFuncComparar compare function (multi functions, partial identical, parameter reversed )

public void testCompare\_7() {

String ori = "int a(){a1();}\nint b(){b1();}";

String tar = "int a(){a1();}\nint b(){b1();}\nint c(){c1();}\nint d(){d1();}";

Comparar c = new FuncByFuncComparar(tar, ori);

assertEquals(c.compare(new Formatter(), new Output()), "0.5");

} =======================================================================================

[Solved]Bill Yeung 2013-04-13 18:55 HKT

It seems that the bugs only happen on when the first character of the code is the start of the first function. The problem is on the splitFunction trying to ignore the code before the first function but without save down and check about the first position of first function. The problem solved by check about any code before first function.