Final Test of Principi di Linguaggi di Programmazione - Modulo II

May 20, 2013

Premise

- The FE of this module consists of 10 open answer questions to be answered in 2 hours.
- Questions are on the arguments discussed in the course and strongly related to the way in which they are treated.
- The answer to each question can be easily deduced from the contents of the recommented material of the course.
- The following slides contain 5 distinct questions that should furnish an idea of the possible questions.

| Exsercise 1. Write the semantic functions of the each of the thee phases of the parameter passing by reference |
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| Exsercise 2. List the different kinds of values that can be present in a language. For each of then give a definition and an example of use. |
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Exsercise 3. Rephrase in a Java program the code of the language FJ introduced in the course. Justify each change that you do

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classes class A extends Object { int x = this.y.x + 2; C y = new C(); cstr(C u) {y=u;}; int add(int u){this.x=2*this.x+u;}; class B extends A{ int x = 0; cstr() {x=10;}; int add(int u){this.x=u;}; cast C extends Object{int x = 7; cstr(){}; int add(int u){this.x=u;}; class C extends Object{int x = 7; cstr(){};} end A z = new B(new C()); int w = z.super.x;
```

