EECS3311 Software Design (Fall 2020)

Q&A - Lecture Series W5

Tuesday, October 20

When comparing two expanded classes, "=" and "~" are exactly the same? ebl=ebz = ebl~ebz expident Let's say x and y are instances of the same class, and within ebl. ES_eg that class there is some reference type attribute called r When we do x = y, are we doing a reference comparison of all the attributes (e.g., `x.r=y.r`)? 2 it depends (D) default versa (each att. And when we do $x \sim y$, we're doing a content comparison BMPARE (e.g., `x.r~y.r`)? not always. I NO, X.Y = 2/.Y Z 72 depends. USMA Or is it the case that when we compare two expanded objects of the same type, we're always comparing contents, regardless of the equal symbol? So even when we do x = y, Dompare Att. Wing = 3 Tt depends. it'll just be `x.r~y.r`? J 10.

Expanded Class vs Deep Copying (4)

Equality and Dynamic Binding

expanded class B1) 1 inherit ANY redefine default create end create default create feature -- command default create do create s.make_empty end feature i: INTEGER s: STRING feature change_i (ni: INTEGER) do i := ni end change_s (ns: STRING) do s := ns end end

expanded class inheri ANY redefine (is equal, default create end create default create feature -- command default create do create s.make empty end feature i: INTEGER s: STRING feature change_i (ni: INTEGER) do i := ni end change_s (ns: STRING) do s := ns end feature is equal (other: like Current): BOOLEAN do Result := i other.i and s other.s end end

local eb1, eb2: B1 eb3, eb4: B2 b1,b2: BOOLEAN do = ebl. J_equal (ebi eb1 = eb2eb3 ~ eb4 end eb3 = eb43 = +63. (7-6)

Expanded Class vs Deep Copying (5)



= vs. 75 - equal

O expanded



Use as a Constructor but Not a Command



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Constructer does

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We can avoid initializing the object as expanded classes do it by default.

Implicitly, an expended However, I was wondering in a class where we can have multiple constructors (some classes have make_empty and make_from_tuple) , how will expanded classes work in that case or are is initiatized they allowed to have multiple constructors?



as:

Use of Distinct DATA_ACCESS Objects

> Ind call

07

Supplier:









