







Instances and Attributes · Assignments add object attributes e id2 <object>.<att> = <expression> id2 **Example**: e.b = 42 Example · Assignments can add class attributes 42 <class>.<att> = <expression> 10 • Example: Example.a = 29 · Objects can access class attributes Example • Example: print e.a But assigning it creates object attribute 29 **Example**: e.a = 10 • Rule: check object first, then class

Invariants Properties of an attribute that must be true Works like a precondition: If invariant satisfied, object works properly If not satisfied, object is "corrupted" Examples: Point class: all attributes must be floats RGB class: all attributes must be ints in 0..255 Purpose of the class specification











