BUILDING INHERITANCE

Passing data from subclass to superclass constructors

Delroy A. Brinkerhoff

IMPLEMENTING INHERITANCE





INSTANTIATING A SUBCLASS

- Instantiating an object from Star also creates objects from Actor and Person
- Constructors run for all classes
 - Default constructors, if available, run automatically
 - Parameterized constructors are explicitly called
 - Star constructor calls Actor constructor
 - Actor constructor calls Person constructor



CONSTRUCTOR CALL CHAINS

• Person(string n) : name(n) {}

F

- Actor(string n, string a) : Person(n), agent(a) {}
- Star(string n, string a, double b) :
 Actor(n, a), balance(b) {}
- Star big star("John Wayne", "Cranston Snort", 5000000);

DATA FLOW



DATA FLOW



Star big_star("John Wayne", "Cranston Snort", 5000000);



