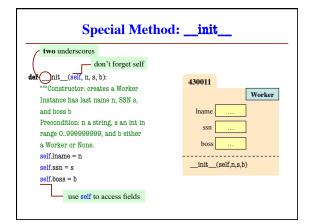
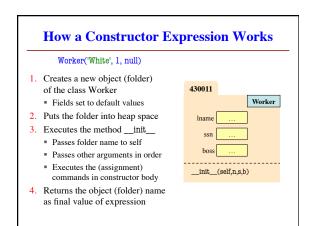


Initializing the Fields of an Object (Folder) • Creating a new Worker is a multi-step process: ■ w = new Worker() ← Fields are all defaults ■ w.lname = 'White' ■ ... • Want to use something like w = Worker('White', 1234, None) ■ Create a new Worker and assign fields ■ lname to 'White', ssn to 1234, and boss to None • Need a custom constructor





Making Arguments Optional class Point(object): • We can assign default values """Instances are points in 3d space"" to __init__ arguments x = 0.0 # x coord, floatWrite as assignments to y = 0.0 # y coord, float parameters in definition z = 0.0 # z coord, float Parameters with default values are optional **def** __init__(self,x=0,y=0,z=0): Examples: "Constructor: makes a new Point p = Point() # (0,0,0) Precondition: x,y,z are numbers" • p = Point(1,2,3) # (1,2,3)self.x = xp = Point(1,2) # (1,2,0) self.y = yself.z = zp = Point(y=3) # (0,3,0) p = Point(1,z=2) # (1,0,2)

