Objects Like everyday objects! descriptions, actions Object -constructors def\_init\_(salfiblish): - Vanables class vs. parameters - methods Wakerboth Class Instance VS. 24mbutes 1 Himbuks ( sup Puppy-name puppy. Name Repy functions Inheritance WILLYBOTHL ()GCLISS return "Boo!" uvel: 40 mskinst: metal ! Wakybottu: class init (.) Level= 50 makerial="plastic" open () det\_- init\_ (self, level, material): heing-green () self. level = level suf. motorial= motorial duf open (self): Wb (instruce) self. level -= 10 lovel: 60

MUNIMUK: Kiyatem 1 hit open &(F. Maknal = "metal" Lung green

det being-green (suf):

Waterbotte. level = 80 Wb = Waterbottle (60, "Aluvninum") Wokerbottle. material = plastic Wb. Level=50 -- +40 Wzkrbotkk. openi) Wb. material = "Aluminum" - 1 (mutal" wb. open() Waterbottle. Level = 40 Wb. bung-gran () Waterbotter heig green() WSKNONL WSKVIX class Email: """Every email object has 3 instance attributes: the message, the sender name, and the recipient name. def \_\_init\_\_(self, msg, sender\_name, recipient\_name): self. msq - ) class Server: """Each Server has an instance attribute clients, which is a dictionary that associates client names with suf. www. = {} "" Vylue def \_\_init\_\_(self): KEH: NOWY odkey Nolm: object def send(self, email): white """Take an email and put it in the inbox of the client email - recipient, name - client - recieve this email it is addressed to. Trn)= email. ruigclient. Ob ; self chiensi [rn] chant\_Ob. renere (evnzil) def register\_client(self, client, client\_name): Takes a client object and client\_name and adds them to the clients instance attribute. Self. chients [client\_name] = dient

class Client:
"""Every Client has instance attributes name (which is
used for addressing emails to the client), server
(which is used to send emails out to other clients), and
inbox (a list of all emails the client has received).
<pre>definit(self, server, name):</pre>
self.inbox = []
SUF-
5.15
Self-sewer register-dient ( Self , Sulf-Name)
Call amove register dient (
XIII. SENCY 19
<pre>def compose(self, msg, recipient_name):</pre>
"""Send an email with the given message msg to the
(massage sender, recipient)
email= Email (MS9, self. Navm, ren
email- Email (msq, self, name, ren)
def receive(self, email)
"""Take an email and add it to the inbox of this
client.
SUL-inbon. append (email)
SILL- IMMOSI - Appendix (Comm.)
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