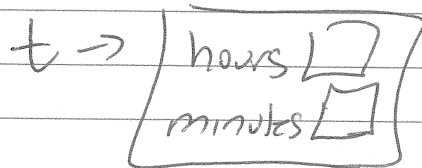


Classes - More Examples 6/5/26

① Time class

② Car class



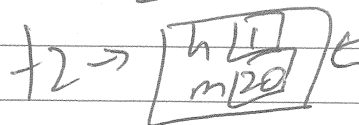
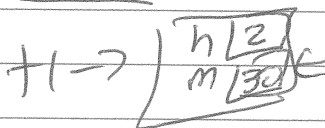
add time objects

compare time objects

* methods that DON'T CHANGE THE OBJECT, instead create new objects

* methods that change the object

main



t3 = t1.addTime(t2)

~~t3~~

t3 = t3.addTime(t1)

~~addTime~~

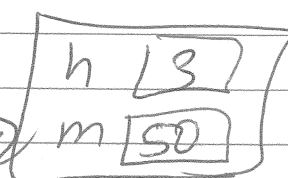
~~self~~

~~time2~~

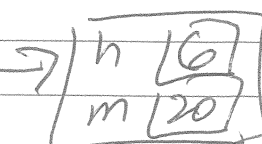
Time(tok1)

~~150 + 80~~
~~tok1 230~~

230
150
380

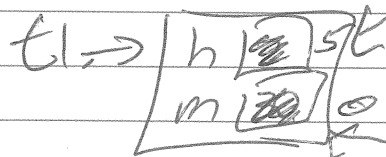


garbage collected!



Call doubleIt

t1.doubleIt()



doubleIt

Self

total 300

150x2

Self.hours = total / 60

Self.minutes = total % 60

t4 = t1.doubleIt()

t4

doubleIt2

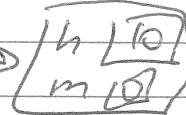
Self

300

x2

600

total 600



HAS-A relationship

Address Book has-a Contact

Runner has-a Time

map

nums[7] what if you didn't
want this to be an integer

times["100 meter"] = Time(0, 11)

KEY ← times = {} # new map

VALUE

place an entry

Check if an entry is in map
if "100 meter" is times: