Note Tit	SISO-Multiple Inheritance & Deeper Moderstanding of Objects
	Understanding of Objects
	Announcements
	-HW due Friday

Class Student (Person): #2 functions - called parent versions (with appropriate parameters) Inheritance with Cs1 graphics

Framples:

- star (from Polygon)

- Car (from Layer)

- car (from Drawable) - See p. 316

Only supported by some languages. Allows you to use cade from multiple classes. Ex: Labeled Rectangle in Oslgraphics This object is both Text & Rectangle Inherits: from Text: set Message, set Fort Color...
From Rectangle: set Width, set Fill Color... (from both: move, sab, etc.

h 10: Peeper understanding of abjects Example of a simple, mutable object: Suppose we say:

My Savings = Account () of memory:

· my Savings is really a reference to the actual Account
The actual Account
- We view it as a pointer to the object.
object
- Fash call to the constructor
creates a none Account abject
- Each call to the constructor creates a new Account object.
Like: my Checking = Account () (Try the id command - the 2 labels will be distinct)
Try Ho in commonal - the 2 labels
will be distant

References to the Same object (my Debit) So my Debit is an alias, & changing my Debit. deposit (100.0) my Checking. get Balance()

Iny Savings my Debit

Account

baknce=0

bakance=0

Equivalence Testing Can use 15: my Savings is my Checking my Checking is my Debit hecking is my Checking does it work

Operator =:

In contrast, operator = is a broader notion of equivalence.

my Savings. deposit (100)

my Savings == my Checking

The Cremember, we coded this one.