Review Topics - unit testing - practical - Maps & String Methods - When to use abstract V.S. interface - inheritance broadly V - method declorations - this layword - has-A U.S. Is-AV

nas-A relationships one
talking about properities

Is-A relationships reter to
a class's identity

₩ 15-0 relationships are used for polymorphism # I can substitute a value of a Child closs where I want a Superclass \$ I can substitute any class that implements an interforp in code that expects the interface Class us Object - blue print "for an object" La extends for inheriting La implements for interforage public class Foo Textends Bor implements Boz Public Foo (...) } Foo my Foo = new Foo (...)

-1 allocates a vaviable that con land

a velecoure to a Foo

- 2. Allocates herp space calls to for Constructor males a new Foo despot tran to class
- assign the retreace to the apoled Object into the variable

Polymorphism (class-based) = new Foo (...); my Bou

Polymouphism (intentaces

Baz



my Baz (= new Foo (...);

Requirements to inhout

- parent connot los a final class
- we must satisfy a constructor on two powers via Super (...)
- if I am not abstract I must Override any obstract methods on my pavant

Kequius meuts to implement an interface

- I must overvide all methods
provided by the interface w/
public methods on my dass

this

the this keyword is used when defining a class to refer to the proporties and mollods of the current instance once the class is instantiated into an object.

ambiguity between a voviable on the locally in a method.

= NOTE!! Save Script also has a

different!