

Agenda	- Pytnon Notes - Pytnon videos
O Inheritance - Constructor Chaning	+ Assignment (next week)
- Basics - Types - Diamond	Rob
o Polymorphism	
L subtyping	
L Compile Time	
L Run Time Polymorphism	
L Adv & Disadv	

OOPS

4 Abstraction

Senca psulation

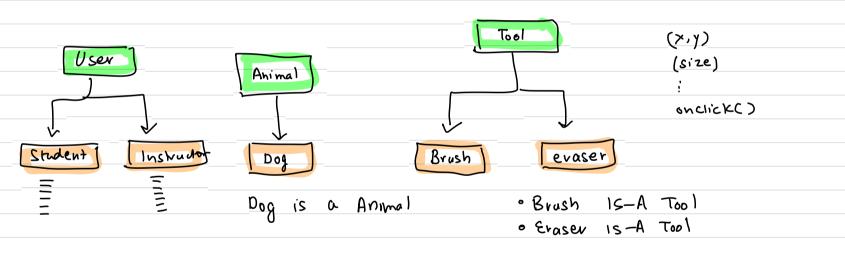
General tance

General tance

Delymorphism

Inhevitance:

Mechanism that allows one class to acquire all properties and methods of another class. The inheriting class is called as **Child Class** and the inheritance class is called or **Parent/Base Class**.

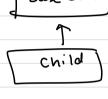


(onstructor Chaining

Types of Inheritance

Single Inheritance: when a class has only barent

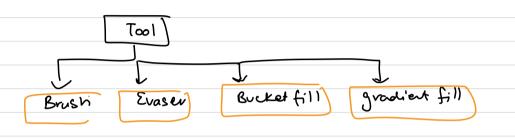
Base class



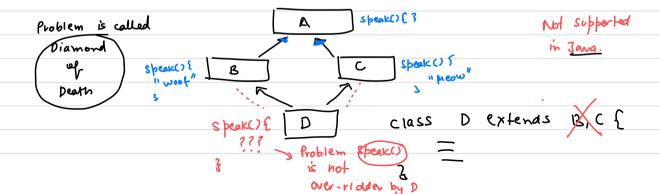
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3) Hierarchical Inheritance: When 2 or more classes have same base class



(4) Multiple Inheritance: When a class can have multiple pavents.



I ava supports multiple inheritance using Interfaces

Poly Morphism	Animal Speak (Bha)
Poly → many	
Morphs -> forms	<u> </u>
An object/method can take ma	my forms Dog speak (woof)
Jawa () Combile Time Poly merbhism	→ Method overloading v3
	1 Memod
2 Runtime time bolymorp	10
	Same
	hame

