## Agenda



Interface			
—Java (	Abstract Ty be)		
•	n of memods		
		1	
(user()(	walleto){	class Person {	
3	3	age;	
. ↓		name,	Person
Person(){	PWallet(){	bool compone Perso	
oge name	amount	net pa	
n ame	PWallet(){  amount  id;	3	
(-)	· · · · · · · · · · · · · · · · · · ·	3	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
Sort ( (Person) ) acc to age		class wallet {	
		amount	
Sort ( CP-wa	allels>) accto am		
			wallet (wz)
		bool compare ret \$	+ amt -
		3 3	wz.aml,
		1	

Sort ( ) {	wallet
	[ interface
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2 - 2 - 2 - 2 - 2 - 2 - 2	(())
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; 3	if both =
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, '	have
	a
	(compane)
Sort ( ) ?	men
	sort doesn't
	heed to
if (w[i] compand read	e(w(i)) { modified.
s~aþ(ω(1),ω(j	))
	•
;	
ı	

user is A Person watter is A Person compane() '-- wollet Compace inheritance. Contract your class must implement following methods
given in the interface.

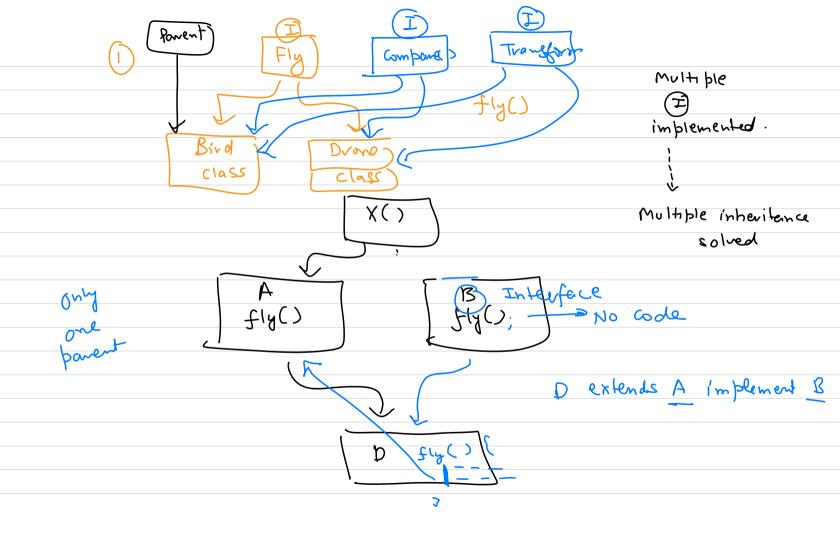
public interface compare of

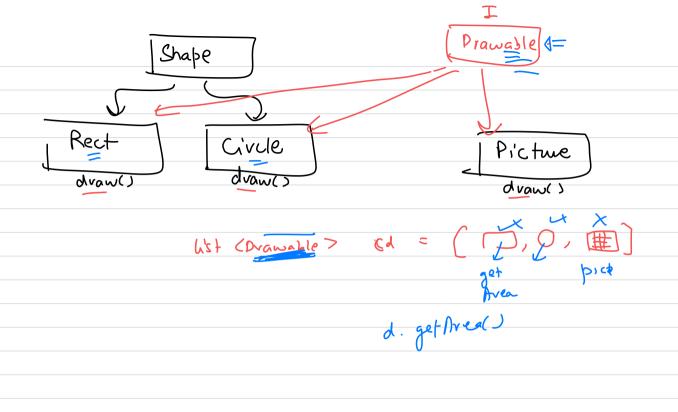
i one or

bool compare();

more method

implement compare class wallet Person extends user class compare ( ) { compare () ( Interface class 6m pone Julfill mis contract Person wallet





(nterfaces:
[ (i) Abstraction
2) Multiple inheritance
wose coupling
(1) Define a Common for Unrelated Class
(5) Polymorphism
( user ) wallet
(

## ABSTRACT Classes

a class => you want to design, but you might not want to implement now.

Postpone your implementation level details later to some other class

When you don't want provide implementation for a method you can make method and class As abstract.

An abstract class can have both abstract and non-abstract methods.

You can't create objects of an abstract class, but you can still achieve polymorphic behaviour.

Shape r = new Rectangle(); Shape c = new Circle();

