SOLID Derign Patterns UML Dicagrow 2 classes 7 classes 1 class. 10 DP (23-24 DP) contact + mock A genda: S - Single Responsibility Principle 0 - Open Close Principle L - Liskov's Substitution " 1 - Interface Segregation " D - Dependency Inversion "	
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- Interface Segregation y	

Principles Guide lines / fundamental foundation of your devision SOLID helps us software mye. Extrible Maintainable Readasle understandable Testable Modular Reusable. Derign a Pen 3 google Walmart Derign a Bird Adobe

10)		
yass Bird		
- color	Bird bl = nav Bird();	
- weight	bl. type = "Sparrow",	
- # wings	b1. name = " Tweety",	
- type		
- Name	Bird 62 = new Bird()	
- fly()	62. type = "Piseun".	
· make Sound ()	b2. name = "Roja".	
- eat ()		
Piccon	Crow	
-make Sound ()	- make Sound()	
- make Sound () §		
if (type 22 crow)?		
/ Grow Sound ande		
- lescif (type = = Pigeon)? - lescif (type = = Pigeon)? - lescif (type = = Pigeon)? - lescif (type = = Pigeon)?		
= 11 tigo	N Journ Wole	

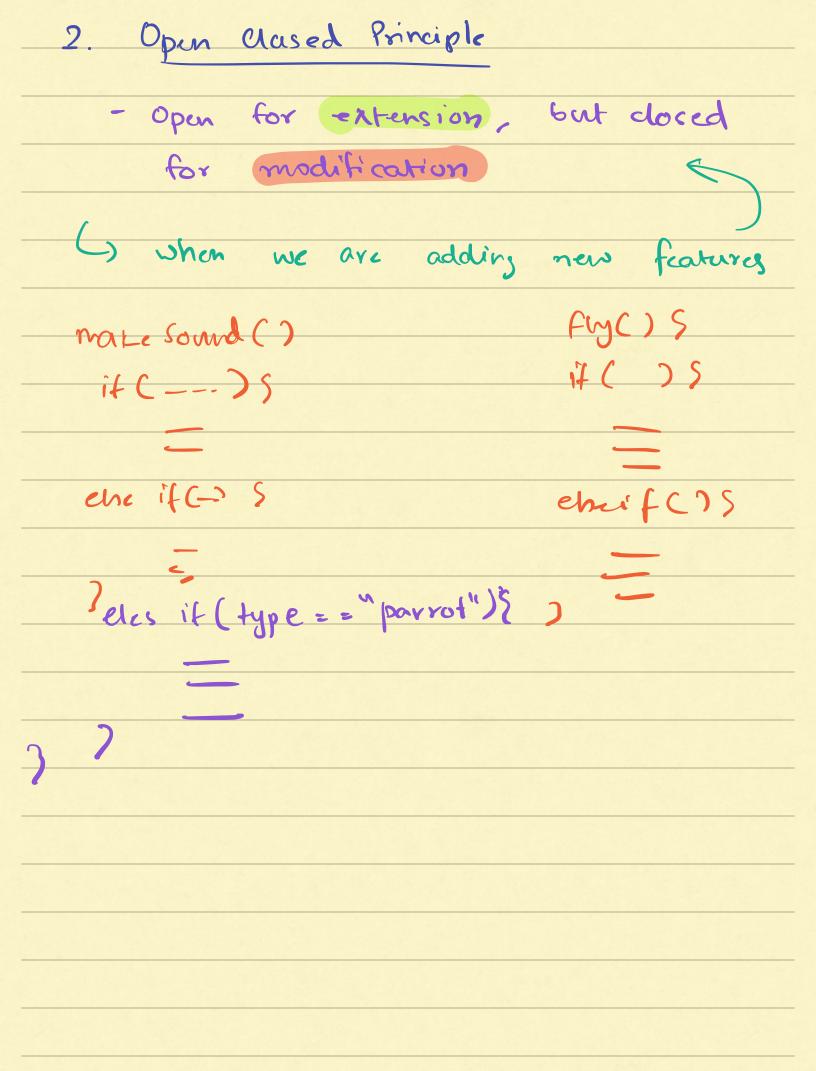
3

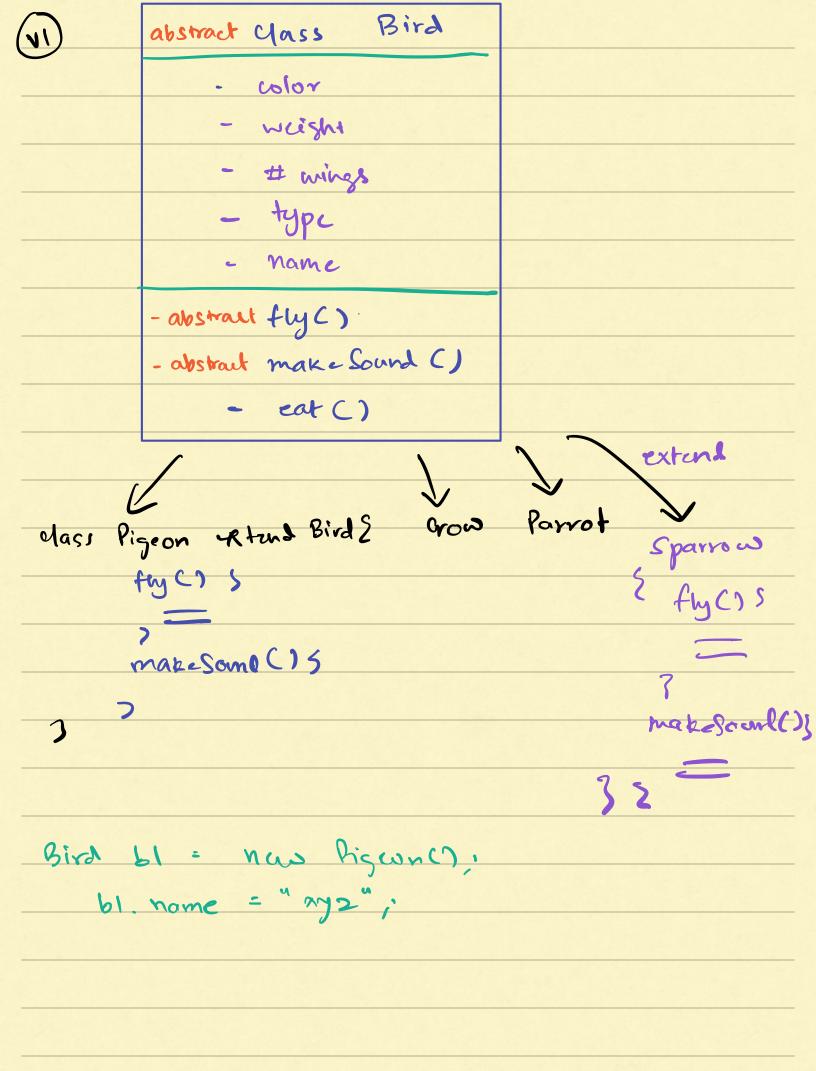
Single Responsibil	ity Principle:
- Every code un	it should be responsible
for a single	behaviour
- There should	be a single reason
to change	be a single reason a vode unit.
	ss/fernetion/package.
function Make Sound: 1	riolating CRP
class Bird:	violating SRP
makeSound() fly()	
if c) if c)	
else	
)	
use case of Denigo	ning Bird:
video game	Bird Jewing

C

How to identify of Violations:
- Methods wilt multiple if-else:
na air meture d - leap-year code
if (input = = 1) (if ()
take Name) else if ()
) if (imput = = (I)) S else
print Name - Abstract factor
7 if (input = = (7))
update Name
, 2
- Monster Methods:
- Complex & excernive lines of code
- Complex & excernive lines of code - It does more than the name
suggests

after OrderPlaced &
= 3 Protify eustomer
= { Notify seller
= } Recalculare Stock
= 3 Notify Delivery Team
)
after Order Placed
notify Curtomes ()
motify Seller ()
7
3. utility class/method
Break Till: 8:20





abstract Bird d 4 1 Penguin Rigeon Crow Sparnow - fly() - fuy () - make (o und() - makelound () class Perguin extends Bird? vola fyc? S - 10 leave it empty thou now birdContfy() j 2 Throw Exception function (Bird b) S new Paquiro.) throws or exception A class should have a marned implement if we are able to

