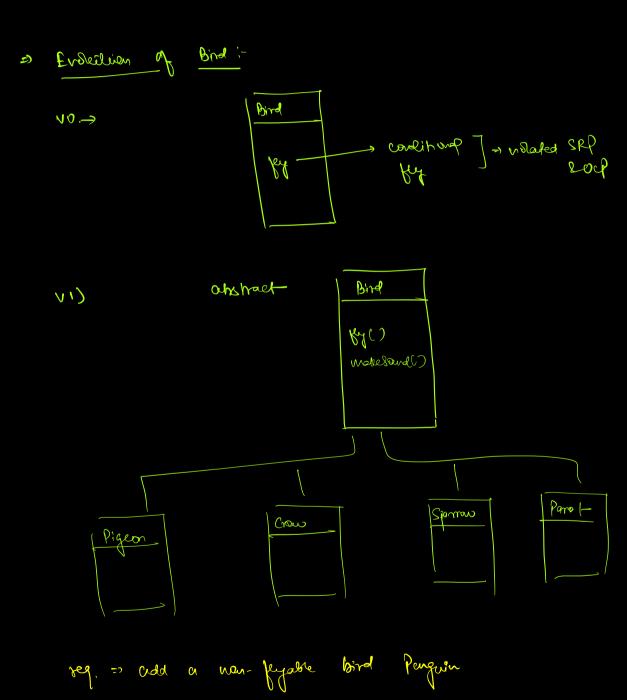
SOLID L- liskov's Substitution principle

1 - Interface begregation

D - Dependendency Inversion.



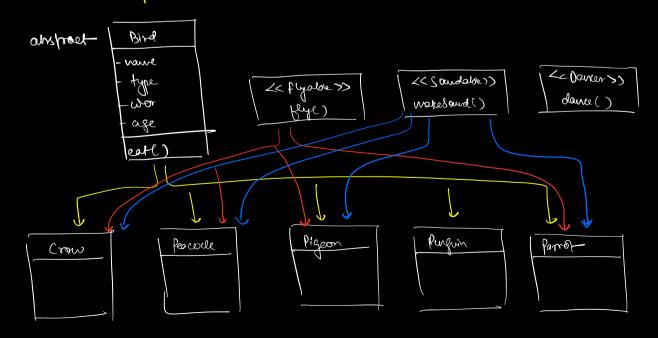
Problem Stokement => Love birds demonstrate a behaviour
while Other birds don't demonstrate that
behaviour

- i) Only the birds having the behaviour should have the method
- v) we should be able to group the birds that have that behaviour.

alm tract behaviour -> [Interpree

for speific behaviour we will create a interface, and
the bord which has that behaviour will implif,
which work

Common for all birds



| Crow catends bird | Peacock extends bird | Penguin extends bird |
|---------------------|-----------------------|------------------------|
| 'implements flyable | 'implements flyalde, | |
| Somoble | Sourable, Dancer | |
| | Bird flyab | e Soundable |
| clans Crow | extends bird implemen | + Physike, Soundalok } |
| | feyes § | |
| | 3 | |
| | wolfesound () | |
| | 3 | |
| | 60+() { | |
| | | |
| | } | |
| > | | |
| | Crow doent bou | e a James OG, |
| usix flyable> | | of birds that can ply |
| List < Sourdalore > | Soundalore birds -> | roup of birds that com |

. LISKON Bubshipe tion Principle:

Object of any child class should be "as-is" kutstitutable in a variable of parent type without requiring any cooke change.

a child by knowld not get any special treatment to accomplate in a parent type variable

In vi of Birds, the bird valice could not veeded a special teatment for Kyl) wethood

the cither keep it coupty
throw exception

Mesonery to us of my ?

our heed to add

code to stork child

only in parent type

Blied b = new (row()

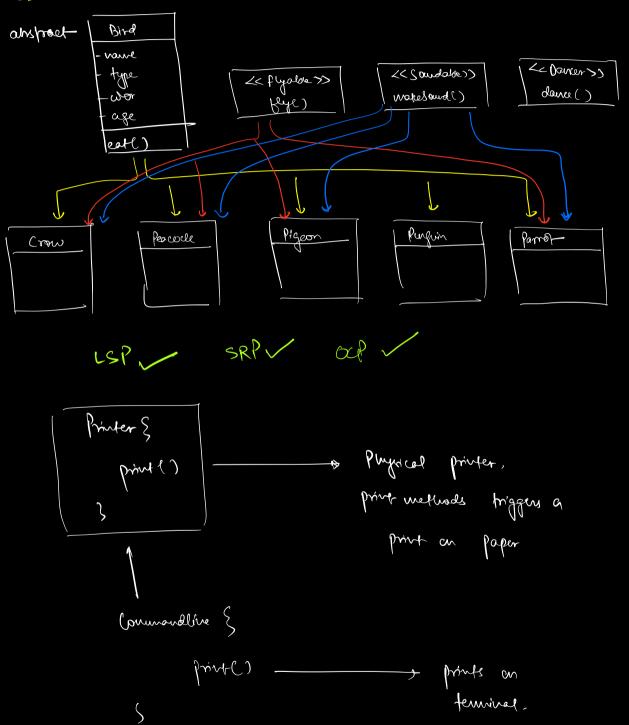
vous lenguis () -> fix throws exception

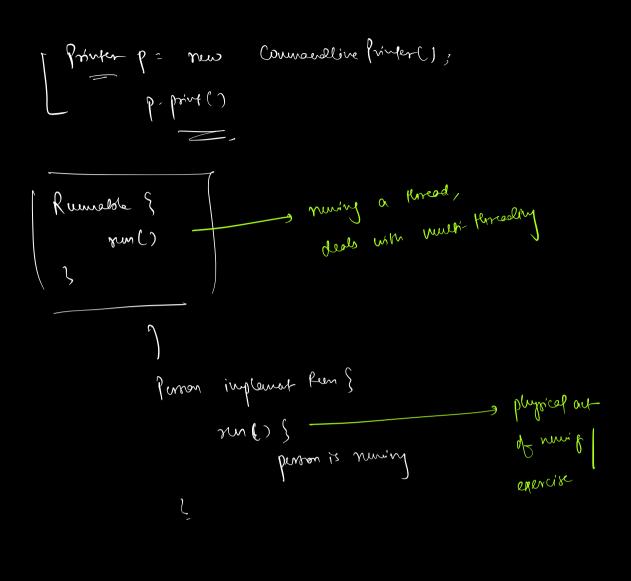
3 cotch (Exception Harouan boy fey() in Pengum) }

5

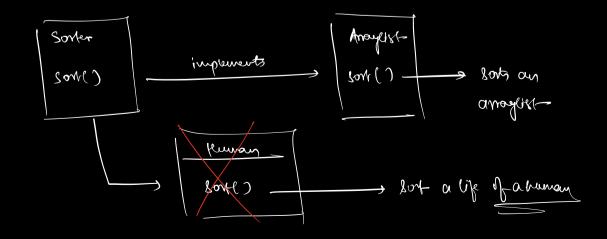
& VI of Birds want following USP.

V.2)



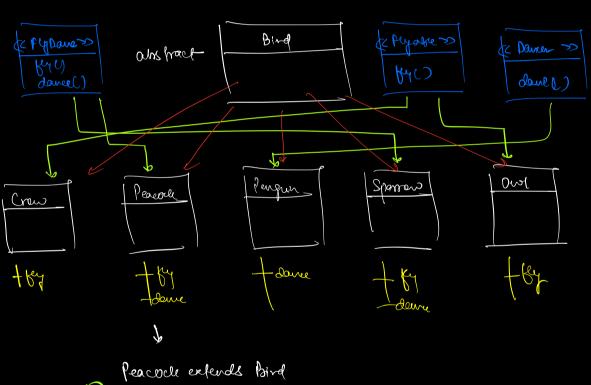


LSP => dont overide things that done go together logically

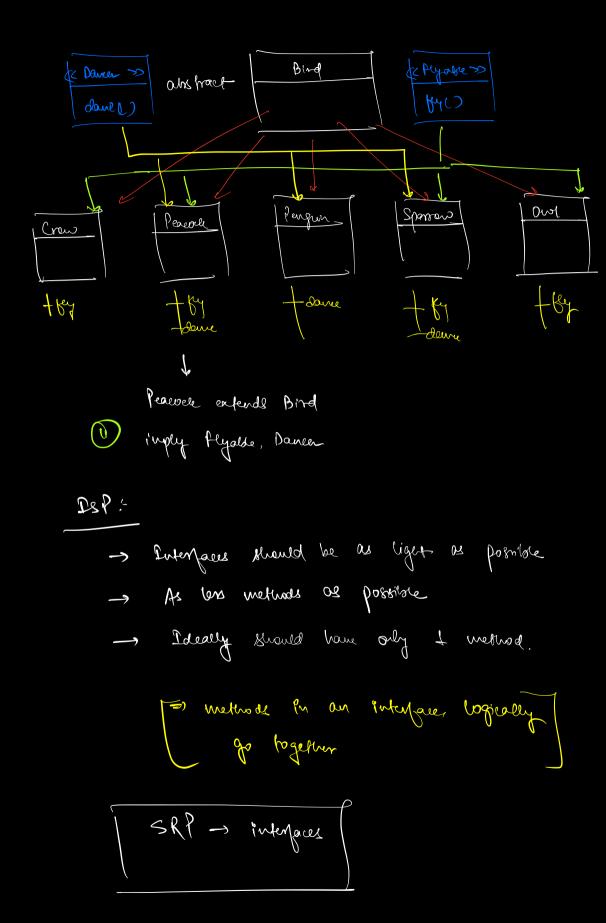


: Interface legregation Principle:

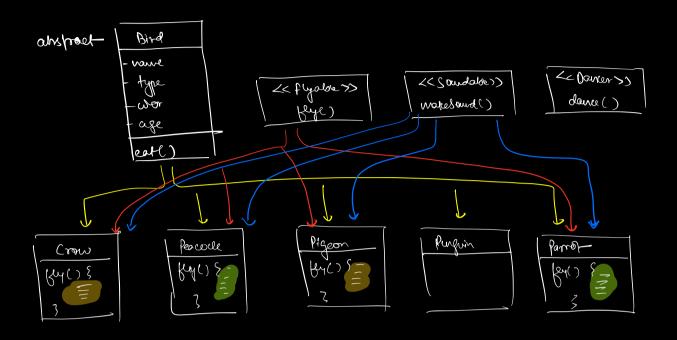
- -> bome birds fly
- Jone birds can dame
- Jame Bigs can fey or well as



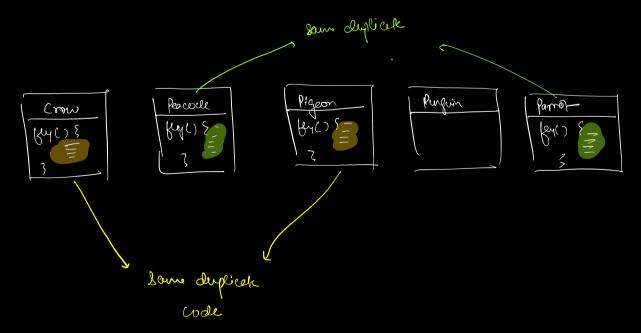
feacocle extends bird implement try Dame;



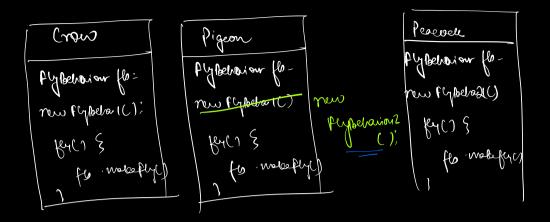
Dependency Inversion Principle:







| Som Crow Pigeon Fly Behaviour § | Peacode Part Fly behaviour & |
|--|---|
| void makefy() } | int do fy() } |
| 3 | 3 |
| Crow Pigeon CPFB CP762 rew CPFBC); Perc 3 CPFB CP762 rew CPFBC); Perc 3 CPFF. wolcofly() The control of | Peacock PPFB PPG0 = new PPFBC) gryC7 S PPG6. do fez c) 1 |
| dependending upon co Flybelianious Worked "implements Peybolianious moketylis S moketylis S moketylis S | ehaviour>> |



DI principle: No 2 concute classes should directly depend on each Sever, they should dipend on each Sever via interfaces.

** Never depend on a specific company, only depend on having at 30

=> make them loosely coupled

Dependency injection

doubts

CPFB CPFB?

rew clfbc);

by:

public crowci S

cpff: notoephy)

(pff: - now clffbc);