- L: Liskov's Substituition Principle 1: Interface Styregation Principle
- D: Dependency Inversion muciple

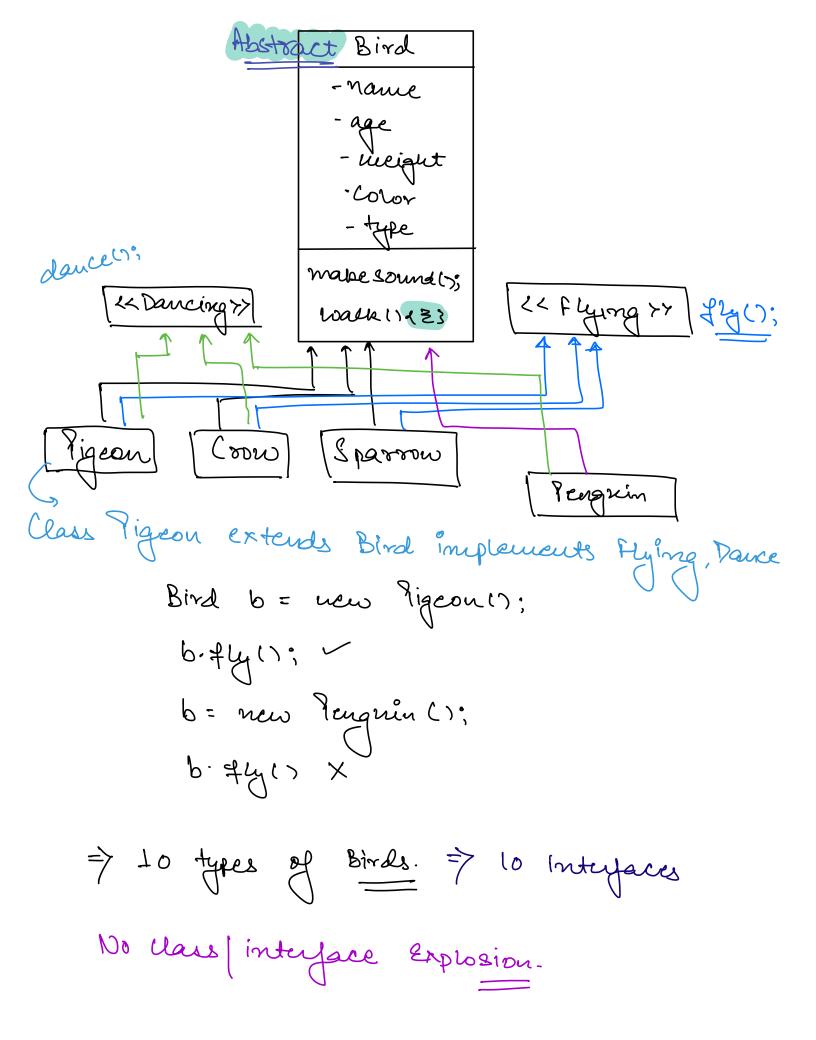
Yoblem Statement

Some birds demonstrate a behaviour, while others devit demonstrate a behaviour.

- 1) Only the birds having the behaviour should have that metrial.
- 2) We should be able to create a list of birds with that behaviour.

Interface => Blueprint et Behaviours.

Interface => <<flying >> tys;



Liskov's Substituition Principle.

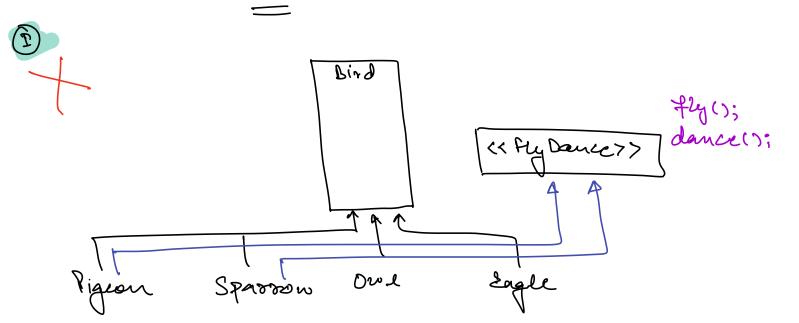
Object of any child class should be as it is Substituable in the facent class reference without requiring any extra code changes.

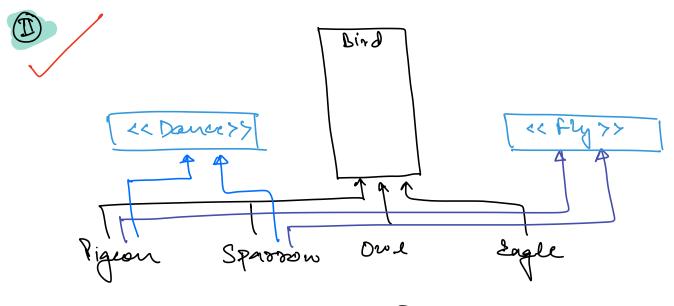
Interface Signification Principle.

Requirements:

Some birds can fly some birds can dance

Au the birds who can fly can dance as well & vice · Versa.



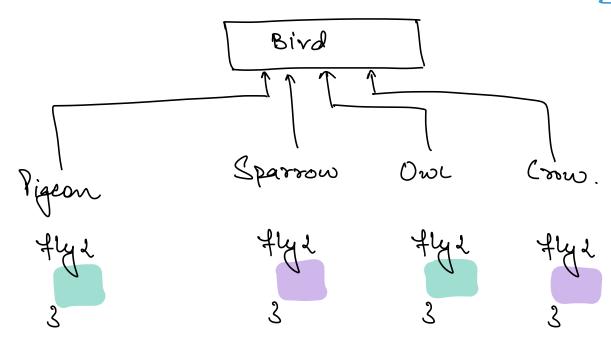


- > Interface Signification Principle.
- >Interface should be as light as possible.
- -) Ideally every interface should have a single behaviour.
- -> SRP on Interfacer.

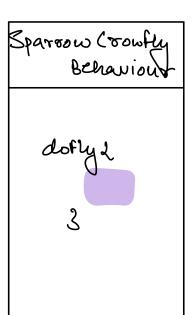
Interface => Interface mith single method

Jependency Inversion Principle.

DRY.







PofB obj= new
PofB()

fly()(

Obj. marefy()

3

Sparrow

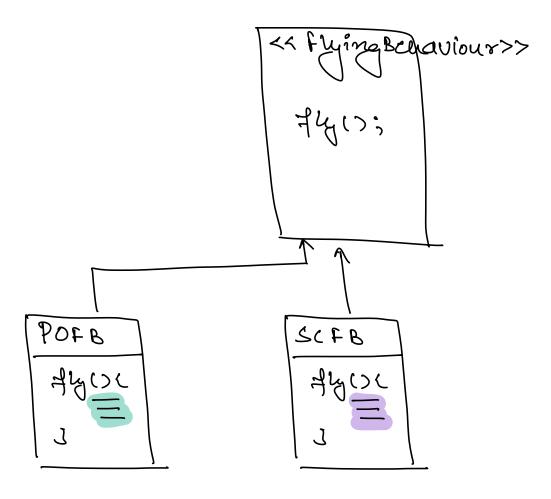
SCFB Obj = new

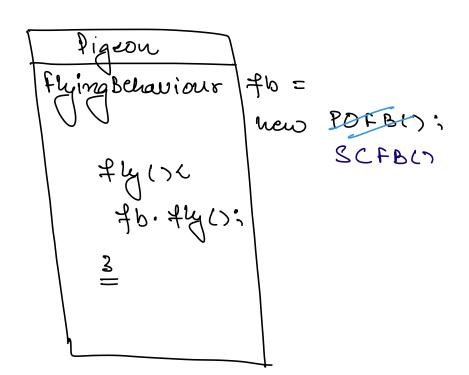
SCFB()

fly(){

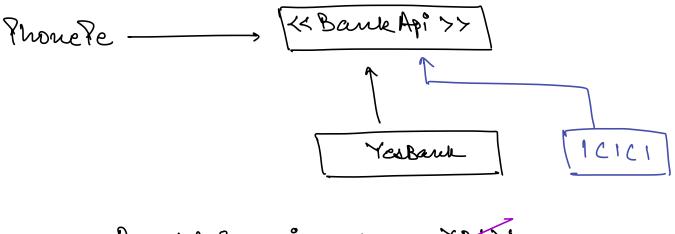
Obj.dofly();

Program to Interface, Not to implementation.





Phonele _____ Yesbank] Tight Compling



Boenkape api = new YETT;

Pependency Inversion Principle.
No 2 concrete classes should depend on each other
No 2 concrete classes should depend on each other directly, they should depend on each other via an interface.
Pependency Injection (Not a Zart of SOLID).
A <
B b = new B(); Class A is dependent on class B
3
Enstead of creating the dependency object on our own, it should be given at the time of object creation.
Instead of creating the dependency object on
our own, it should be given at the time
et object cication.

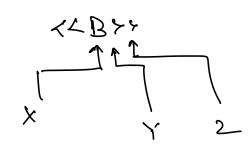
A (

B b;

A (B b) <

+this.b = b;

3

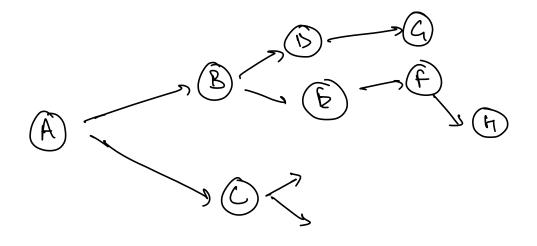


Client

B b = new 2()

A a = new A(b);

Instead of creating the dependencies on our own, dependencies are being injected.



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=> Springboot