"Don't ask anyone untill you yourself fail to feist the ans"
-Dr Kalam

" what if ____ "

> Write down your question

→ Write code à observe the behavion.

→ Find the why? behind the behavior-

Google

Stack Organia 30

· I matrución [TA/Slack Grap

10-15%

Easily Maintainable Unclestand Entensible 85-90%

Maintenarer Fin bugs
Refaction

Undertandabily

Coole nevies

KT (Knowledge transfer session)

Entenibelif [Regression bugs Merge conflict · OOP (Inheritace, Abeliaction, Polymorphi, encapsulatic)]

· SOLID

· Design Patterns

· UML

* Giver an object oriented clesign of a Birds.

(SDE-2)

Bird → Profesties → Actins (Beharun

Bird then = new Bird ();

Lis construction*

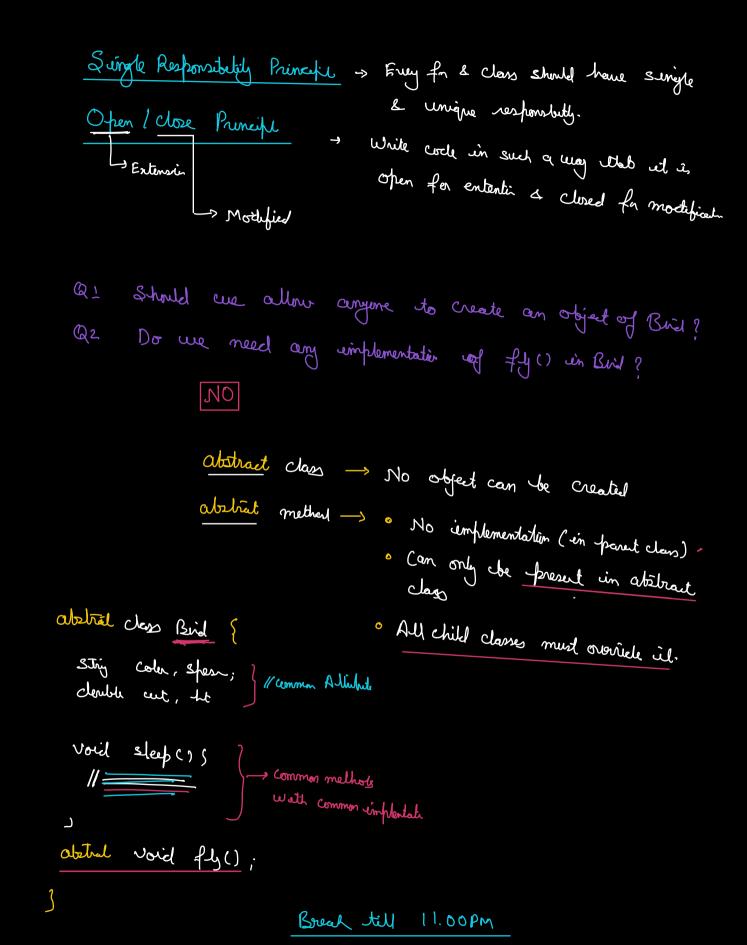
hen. fly ();

Bird eagle = new Bird (); eagle. fly ();

```
-> Template
                → Dlue Rib
Class Bird &
   1/ Attribute
   string colon, species;
  clouble wit, It --;
  // Method
  void eat () {
              ال 20 مثرار
vois fly () 1
void sleep () (
Public Brid (w, h)(
     this. wt = w.
    athis. At = h,
```

5 Suigle function = Multiple behavion. void fly () } if (this. specu = = "hen") } //fly like hea, = eh ef (this. Spec == "eagle") } 11 f-by like eagle. : so if/ehe t] of leh All common things Bird → Common attitute wt, ht, colu -> Common mathets . ext, Slep Parvet Ell fly lete a pign Class Hen entered Bird 5 Class Eagle entered Bird 5 Voiel fly() 5

11 fly like a hen void fly () 5 11 fly like on coyle. د



Class Angry Bird {

void render (Hen h) 5 11 Rendr trees 11 Rendr Graphis 11 Rendr h (11 h. fy();

Method

Overloady

(Polymorphin)

~

void render (Eagle e)

// Rendr trees // Rendr Graphis

(11 e. fy(),

void render (Panot p)

11 Rendr tress
11 Rendr Graphis
11 Rendr p

(11/r.fy(),

Briel a Panot

Class Angu Bril 5

Novil rench (Bird b) s

"rench b

"b. fly()

Runtime Polymolphe

Hen h = new Hen(): a has rench (h);

Hash Map Jana-7 -> Jana-8

All details regardig -> How many buils?

-> Adding new buil?

-> Removing any buil?

Abstraction

Class Flying Objects {

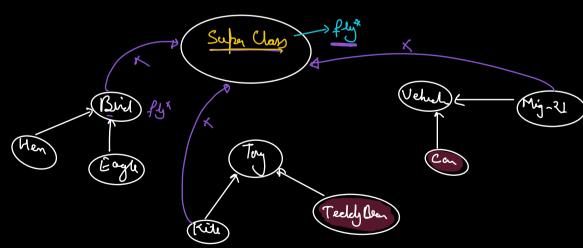
Void rendr (flyable f) {

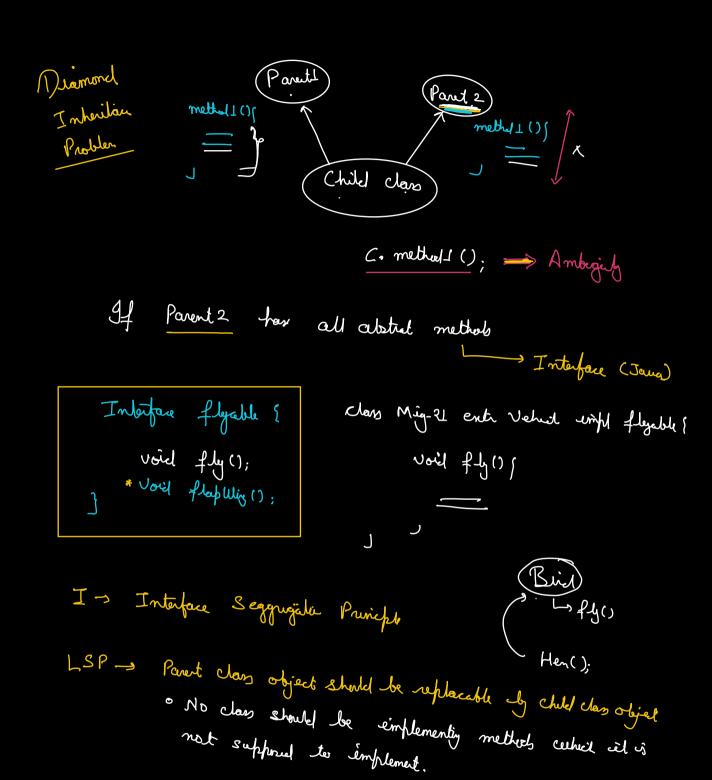
Insects

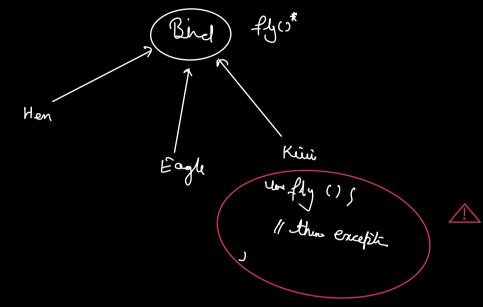
Ant

Morquis









Interface >> A fewely abeliet class
(All methods abstract)