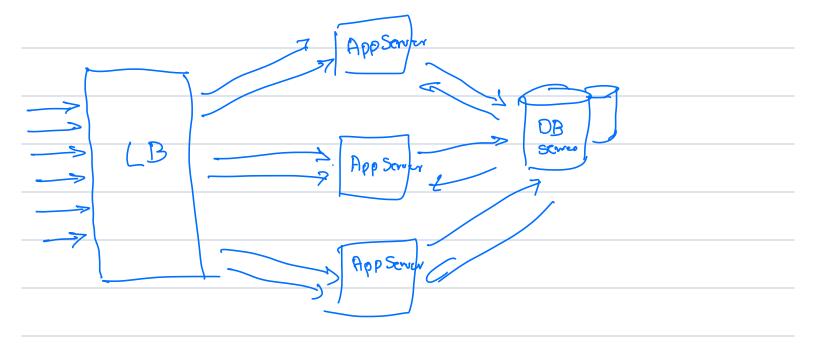
Dynzo - SDEZ (1 Yr)
Scalen Cignes) AK(0.io (2 Yrs)
1 What is LLD? Low Level Design
HID: High I am I Davison
HLD: High Level Design
D
- Birds eye view of system.
- How different component / systems
are connected to each other.



Exentially all the different components are just servey with different configurations running diff software.

How are different modules inside

The code structured?

How are different modules inside

The code base interacting with

each other?

2) Why is LLD important?

Startupe: SDE 1 Atleast 1 LLD round

FRANG: Generally ask ODDesign question but

not Full Fleged CLD rounds.

Day-to-Day: W Write new cade
Deview code
Deby issues
Réguirement gathering
88% of time of orgineers is sport doing
activities related to LLD.
Coads of LLD:
1) Maintainable: We should be able to fix issues officiently
2) Extensible: It should be easy for us to add new
factures.
LLD module dt Scaler
1 Advanced Programming Concepts (CLD 1)
2 Design Principle & Patterns (LLD2)
3 Project Building (LLD 3)

O AP C
y 00 PJ (4)
Concarrency (L) ★★★
Collection & Generics (1)
Exception, Annotation 1 Reflection (1)
Contest - 1 -> Mock Inferview **
2 Design PlP:
First 2 dectures: SOLIO Principle
Mext 7 classes: Design Patterns
Mext 7 classes: Design Patterns Creational Structural Behavioral
Contest - 2
3 Project Building:
How to approach Design Problems?
Tic Tac Toc
Parking Lot
BMS
Cogle Calendar
Pending Project Module
Contest -3

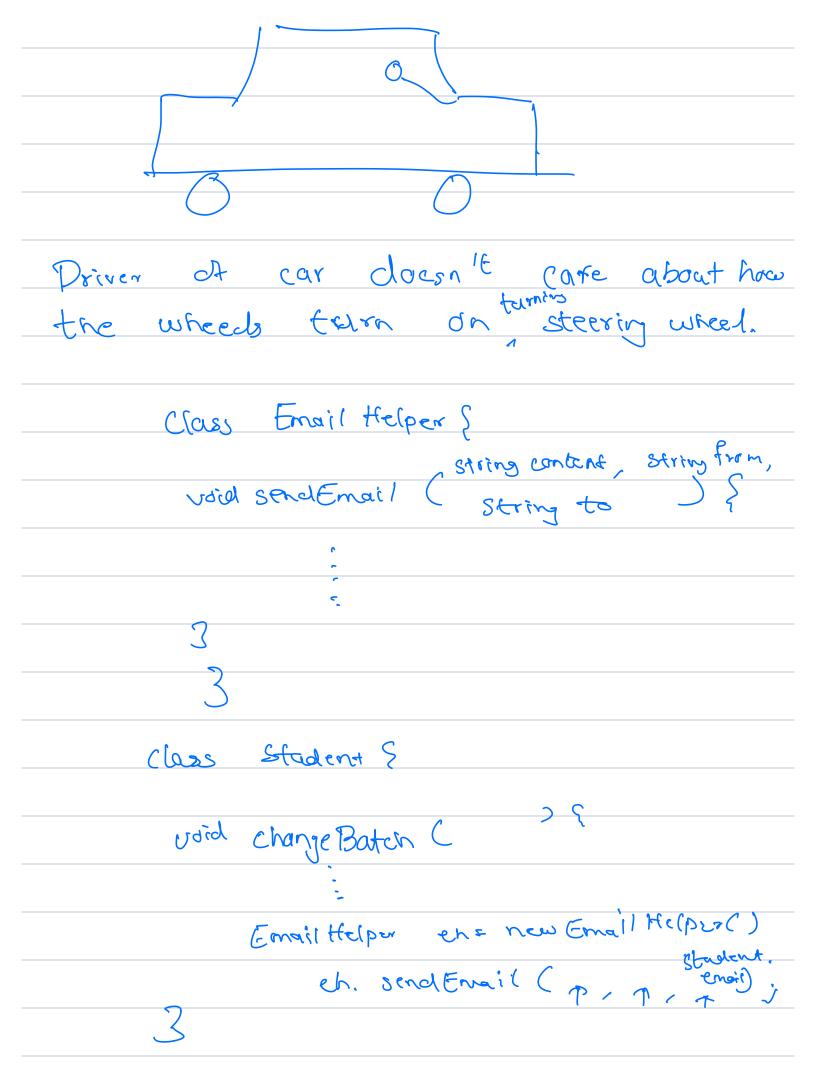
Intro to OORS (Java)
Any living or non-living For which we want to atom info.
Entities are made up attributes
2 behaviours (method/Function/procedure)
Scaler -> Learners, Mengors, Butche, TA,
Instructore, Classes, Assignments
Contest.
Represent Student
C Fatity

1/

Class Student }
offributes String name; Proat Pap;
float PSP;
roid Charge Batch () [3;
behaviours 2 void join Class () E. 3;
behaviours Join Class () E. 3; void join Class () E. 3; void course Pause () E. 3:
2
4 mais concepts: Abstraction
Encapsulation
Polymorphism
Polymarphism Inheritance
1 Principle: Abstraction
3 Pillars: Polymorphism
3 Pillars: Polymorphism Encapsulation
3 Pillars: Polymorphism

V

Pillar: support Abstraction Abstraction (see): Something i.e. not in existence. Distraction (ask) of the envision of complex system in testing of ideas (entities) Cant (Payment) (Throne) (Caresay) Texting Ideas = Entity This defails:	Principle: rule / siddhant
Abstraction Plastract: idea; something i.e. not in existence. DABstraction asks w to envision a complex system in teams of ideas. Complex System in features of ideas. Product Payments Thurst Cetypy Taleas = Entity	
Abstract: idea; something i.e. not in existence. DASStraction asks of the envision of complex system in terms of ideas entities Complex System in terms of ideas entities Cant Payments Thurston Category Rallins Ideas = Entity	Pillar: support
Production asks on to envision a complex system in testing of ideap/ entities Cent Payments Thursd Category Rathers Ideas = Entity	Abstraction
Abstraction asks w to envision a complex system in texms of ideas. entities Commerce Commerce Payment Francis Categor Rections Ideas = Entity	
Cant Payments Tourner Cetiger Toleas = Entity	
Cant Payments Tourner Cetiger Toleas = Entity	DABSTRACTION CLARS UN to Envision of
Cent Pagmenis Tourner Category Toleas = Entity	
Bellins Ideas = Entity	
Ideas = Entity	TO THE MENTS THE MENTS TO THE STATE OF THE S
	Sciens
12) Hiding Complex details:	Ideas = Entity
	(2) Hiding Complex details:



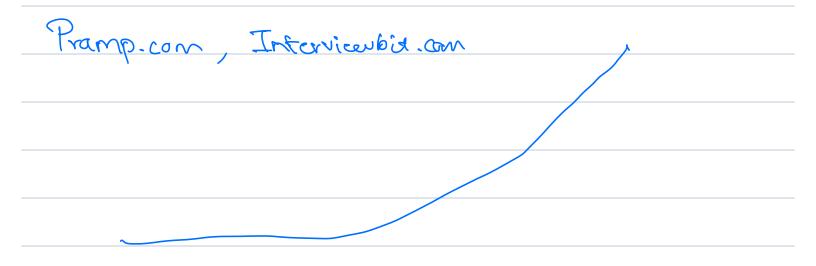
Abstration Summary:	
1) Represent complex s/w	system in
term of ideas/entit	
2) Hiding details of compi	
3 Encapsulation:	
Capsule: 1 holds medicine toge	fher
D profects the medic	
The state of the s	
Encapsulation in OOPS:	
O Holds attributes & b	chadiours
together => via cla	
2) Protects afts 2 be	havious from
outside world >> 0	ccess modifier
Terms in OOPS:	
1) Class: Blueprint & an	entitu
1-(all:	Blueprint d
	Blueprint d house.

Class occupies no memory.
2 Objects: Depending upon class, gru can
Create instances of that closs.
Objects occupy àpace.
Anne Mulifiers
Hocess Modifiers
Access modifiers defines who accessible is a
member of a class.
methods attributes
Class Stadent }
Affribate -> access-modifier data-type attr-name;
method -> occess-modifier return-duta-type
method-name () }
<u></u>
<u> </u>
3

4 access modifiers in Java:
O private
2 default
3) protected
h pablic
1) private: then that member is only
accessible within the class. Ho other
code outside the class can access
that member.
2 default:
To use this don't write anything
before the member declaration.
Any class within package can access
this member.

3 protected	
Any member which is	Using Drotected
access modifier can	
via its child class.	
Same parkage	diff packages
Same paerege	y
A) Public: most denient	
a public member of	can be accessed
E J	1: C-2
Same Same	paekage
	<u>y</u>

1: Fire		No Parkers	shild class	diff clas
Access modifier	Same Class	same parage	diff packase	1.05
private	2	*	×	×
default		y	×	*
protected	4	<u> </u>	4	×
public	$\overline{\mathcal{S}}$	8	2/	9



SOL Profiler

La In depth analysis

La Which queries showest queries?

Co Which queries close not utilizing