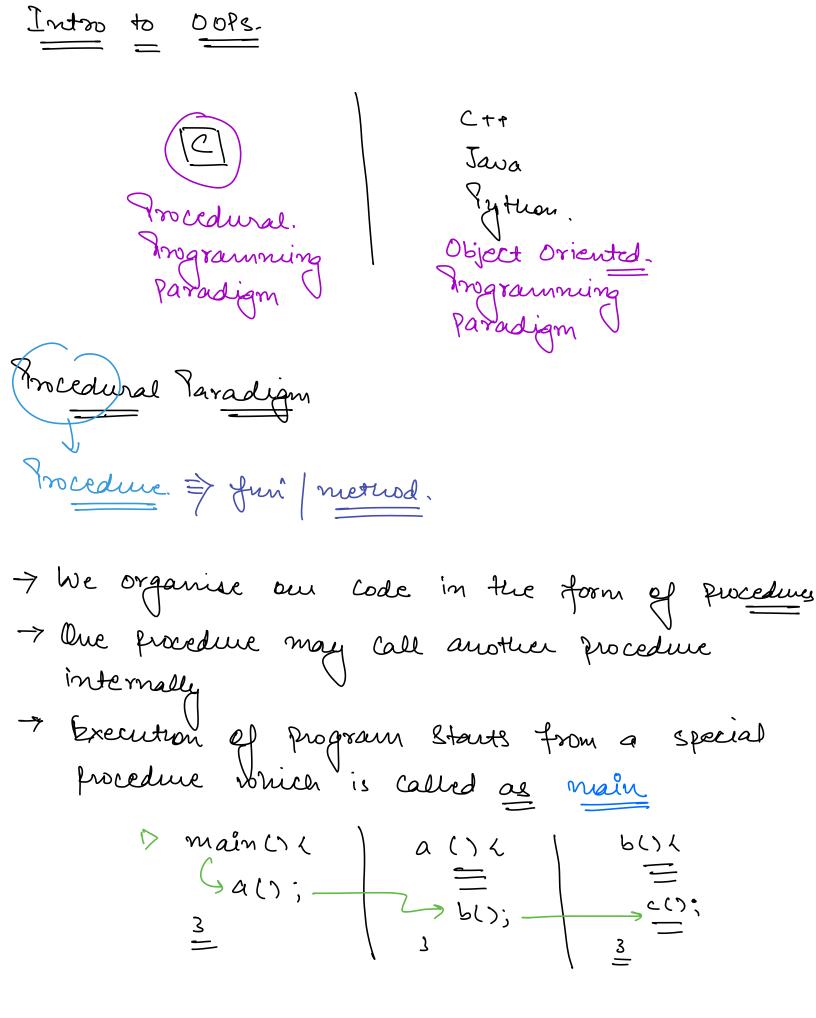
Agenda. - 2900 of oster + 7 Pillars | Principles et ooks. > Access Modifiers. Insperties et good code. 1) Extensible: Easy to add new features 2) Maintainable: Current System should keep on 3) leadable running. 4) Modular. > Phonese (YB) X 1



Problems with procedural languages.
1) Peepare is teaching LLD.
2 Everyone is thinking of a line.
3 Marrish is taking notes
Deepak is teaching LLD. Deepak is teaching LLD. Deepak is teaching LLD. Deepak is teaching of a line. Marrish is taking notes Abhishek is looking for a job.
=> Subject + Vexb.
=> Entities are performing some actions.
Storiet Student
Printstudent (String name, int age, Str botch)
3
PrintStudent (Storect Student)
frint (name)
3

String name; int age; String batter;

=> Struct Cavit trave methods.

=> Sometting is happening on someone.

In real life.

Someone should do something

Student. print ();

Incedural

frint (Strolaut)

909

Student frint ().

<u>008</u> -
Septware Engineering Idea which consists of Entities. That Class behaviours. Class Student (
name age batch PSP email Company C+C
attendClass () \ 3 book Mock Interview () \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

Class. >> Brusprint of an Entity
DOPS. I principle => Pule fundamental.
= 3 3 pillars.
Principle: Abstraction.
Pillars: (1) Inheritance
libers: 1 Inheritance 2 Eucapsulation
3 Polymorphism.
ABSTRACTION: Concept of making something abstract
=> Representing things in terms ex ideas
Sterdent
Eslue()(Code Editor
Problem Expected
Stateme protent
I Szenszik

Abst	raction.		
	Representing a complex system	in the	form
	Representing a complex systems of ideas Entities.		
	Attributes Beliaviorire		

2) Others need not to know the Internal details of the systems.

ENCAPSULATION.

(Fried the State of

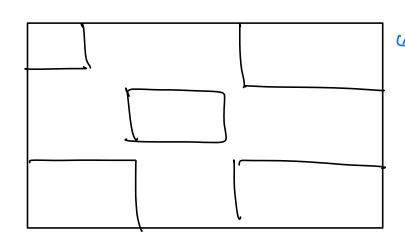
- 7 Holds medicines to together
 - -> Protect médicines form external euv-

ENCAPSULATION in DOPS.

- 1) Store attributes & behaviours of an entity together => Class.
- 2) Protect attributes & behaviours from illegitimate access.

Class. >> Brueprint of an Entity

Represents Structure of an entity.



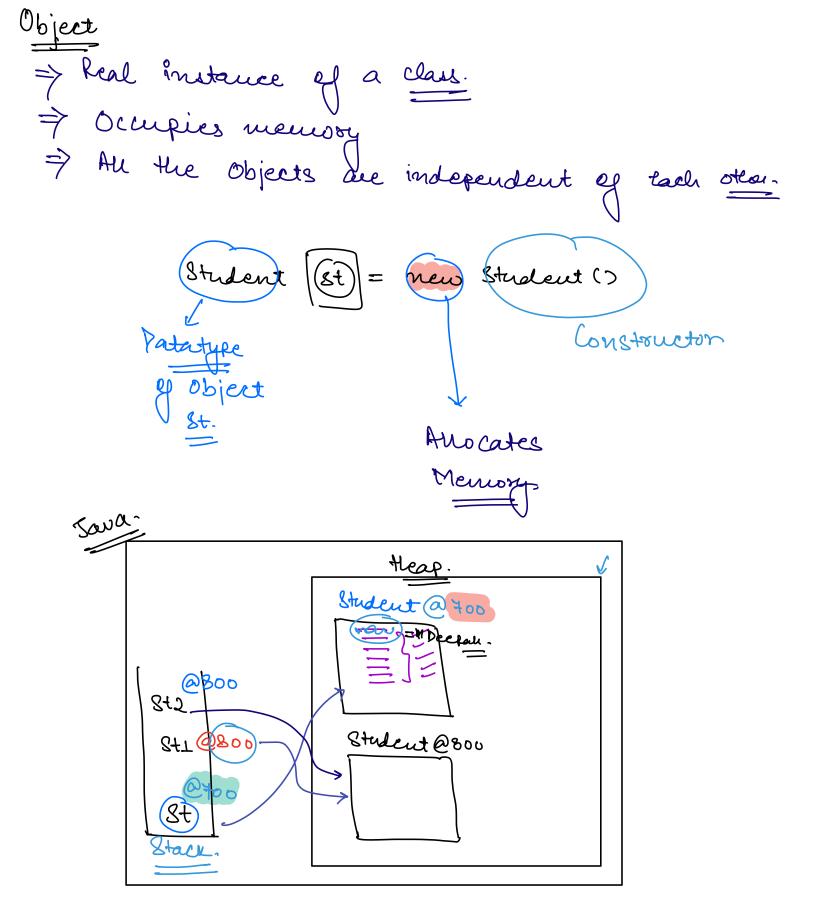
Lass.

Clase Student (
String name;
String email;
ind age;
double PSP;
String batch;

> Class takes No space

- → Not a real entity,
 it is just a bluepring.
- -> Multiple instances Can be created of the same class.

<u>ع</u>



Student (8+1) = new Student ();

Print (St. name)

St. name = " Deepar"

Student 8+2 = (S+1); No new memory location will be allocated.

not calling new keyword.

Access Modifiers.

Protected => Anyone can access.

Protected => Anyone in the same package +

Child classes anywhere

default => Anyone in the same package

Private => Only mithin the class.

Increasing Strictness

Package = folder.

Sava.	Class	Package	Child Class (Same Package)	Child Class (Different Pack)	Movid -
Public					~
Protected	1				X
default				×	×
Private		×	×	×	×