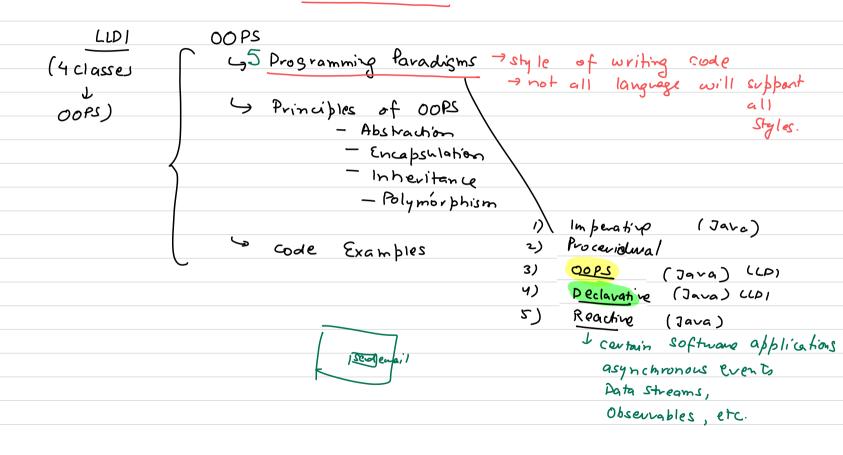


Intro to OOPS



Imperative Programming

is each instruction step by step.

- Create functions for specific tasks.

→ C+d

→ d+e

add (c,d)

add (d, e)

1- Pour flour in a bowl 2- Pour a couple eggs in the same bowl 3- Pour some milk in the same bowl 4- Mix the ingredients

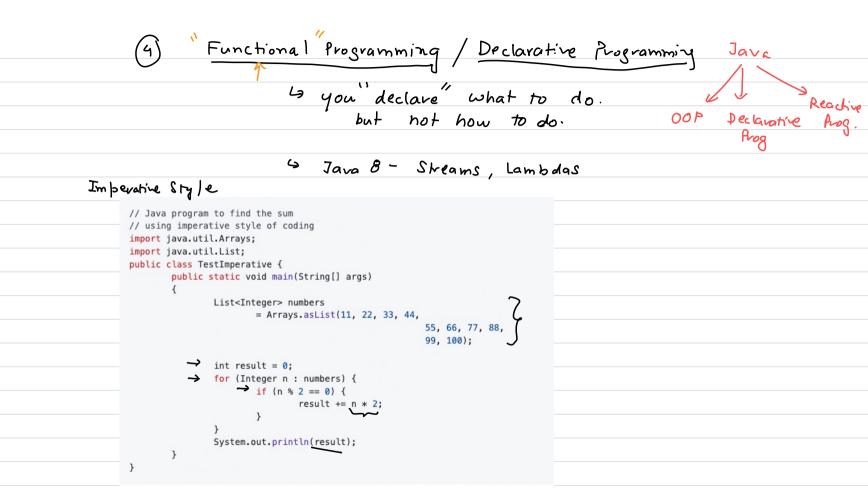
5- Pour the mix in a mold 6- Cook for 35 minutes 7- Let chill

Procedual Programming (C, C++)

- reusable. - readobility

	₽	
→	function pourIngredients() { - Pour flour in a bowl	
	Pour a couple eggs in the same bowlPour some milk in the same bowl	
	}	
~	<pre>function mixAndTransferToMold() { - Mix the ingredients</pre>	
	<pre>- Pour the mix in a mold }</pre>	
7	<pre>function cookAndLetChill() {</pre>	
	Cook for 35 minutesLet chill	
	}	
	<pre>pourIngredients()</pre>	
	<pre>mixAndTransferToMold() cookAndLetChill()</pre>	

Object Oriented Programming (C++, Java, Python) student void update Marks (Struct Student) Poss struct Student marks = 10, function. - Action is performed on student the student name Idate ? data members OOPS world Student name = "Prateck" Student update Marks (100); 4 student is performing me action.



find out the sum of double of even numbers from the list



Head first Java (Beginners)
Book-

Problem Statement Once upon a time in a software shop, two programmers were given the same spec and told to "build it". The Project Manager forced the two coders - to compete. The problem statement is as follows: There will be shapes on GUI, a square, a circle and a triangle. When the user clicks the shape, it will rotate clockwise 360 degrees and play a _mp3 sound corresponding to that shape.

Amo eba Shape.

modify rotale method

void rotate (Shape S) (

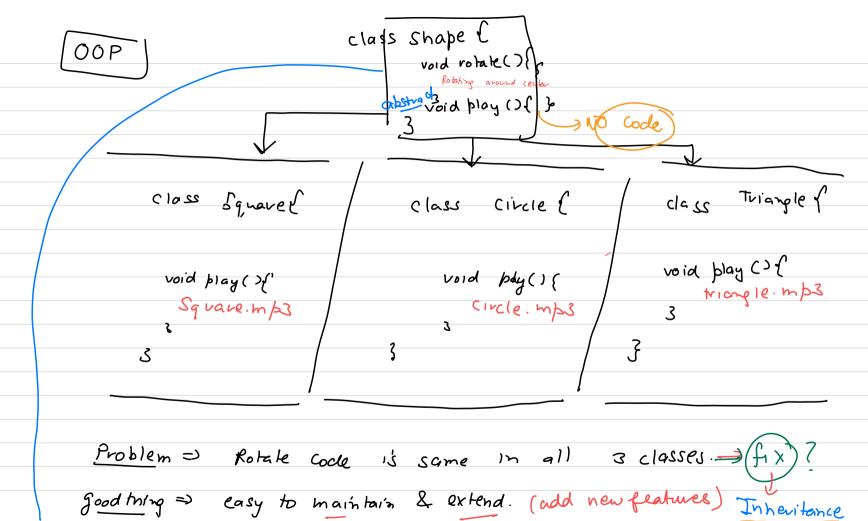
// Shape around center Rotating 360 clockwise

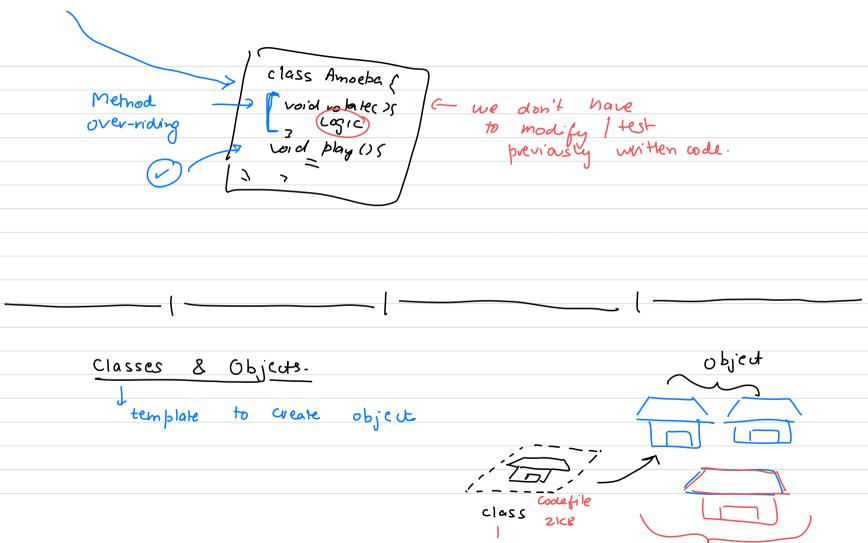
if (Sl= Amoloa)

3

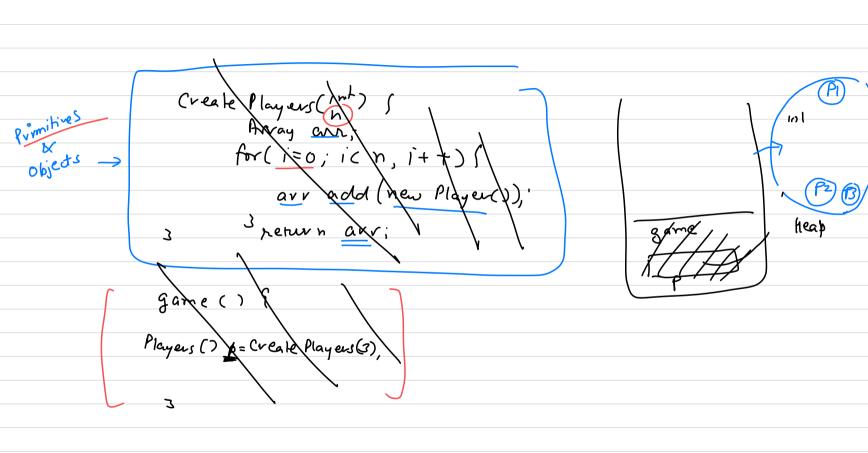
me existing coa

play sound (Shape s) f void if (s = = "Circle") play (circle mp3); else. ((S = = "7vionple") blay (Triangle MD3).

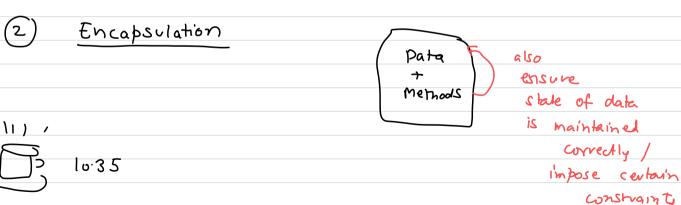


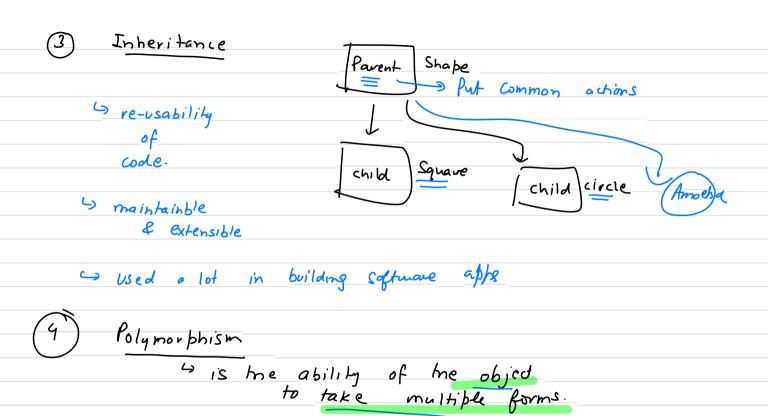


biece of Class Player (Work that Compiler Shing name, uses to Pata Members create an int age; int number -> Melnods Mat guess Number (){ void number = rand(), operate on mese data inside one class



R llars of Object Oriented Programming Abstraction Is hiding me complexities of implementing.





make Payment (method pm) pm. pay (500); ک Payment Metrod make Payment (dc)
" (cc)
" (upi) Covd

of oops Advantages:

Decurity: inheritance 2 Security: Inding details through encepsulation 3 Maintain 4 Inheritance - easily Import existing functionally New to weake Something Lear 1) Think about entities before writing code. 2) Typically oops code can get larger.							
Maintain (1) Inheritance - easily Import existing functionally New Button Disadv:- weake Something Lew 1) Think about entities before writing code.			Re-usabilit	y: inh	evitance		
1) Inheritance - easily Import existing functionally New to weake Something Len 1) Think about entities before writing code.		2	Security	- hiding	details	Through	encepsulation
Pisadv:- Disadv:- Think about entities before writing code.		3	Maintain				
Pisadv:- Think about entities before writing code.		4	Inhevitar	ncl -	•		Buttons
Disadv:- Weake Something Len 1) Think about entities before writing code.			•				
1) Think about entities before writing code.	Pisadu	: _			to	Bu	יסוע
	_				Some	hie her	
	1)	Think	about entit	ies befor	e writi	of code.	
	2)	Typica					