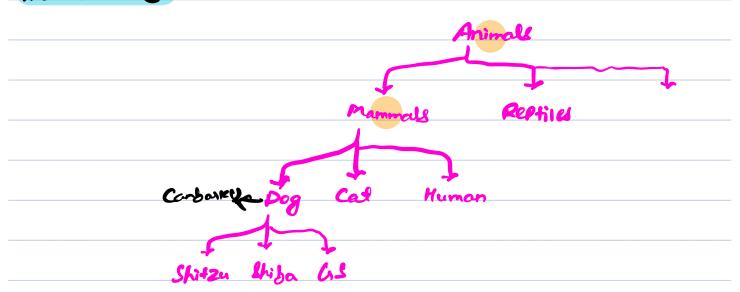


Foday's agenda Ly Inheritance Ly Constauctor Chaining				
Gonstouctor Chaining Gonstouctor Chaining				
A Alaphan				

each class - entity

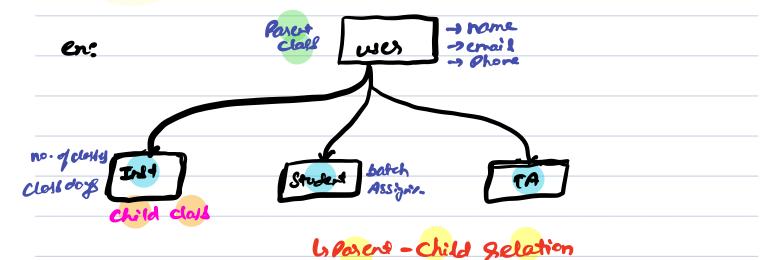


// Inhuitance



→ all the child class will have features of their Parents
but not vice-versa.

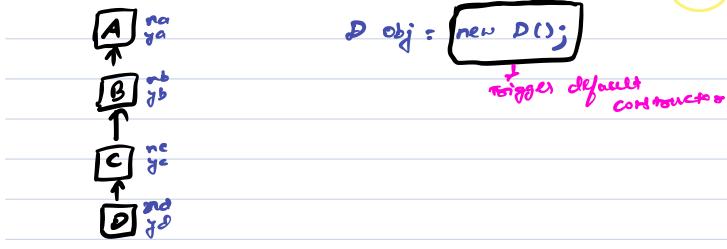
Is Enheritance is like assigning
hierarchy to class.



4 "entends" -> keyword to inheria Parena class.







```
D() \longrightarrow C() \longrightarrow BC) \longrightarrow AC
initialize initialize initialize initialize after after
```

```
1 package Student;
2
3 public class B extends A {
4   int xb;
5   int yb;
6
7   B(){
8     System.out.println("Constructor of B");
9   }
10 }
```

```
D Ajava D "Bjava D Dojava D Telentjava

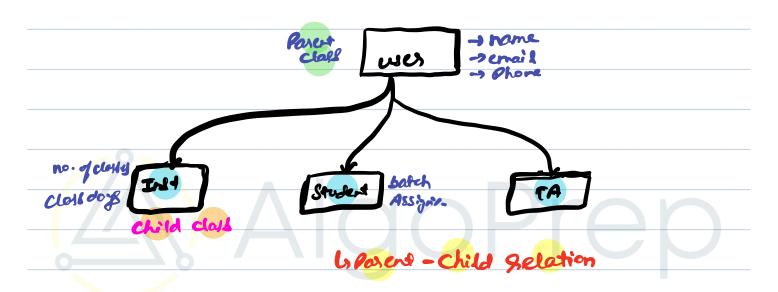
1 package Student;
2
3 public class C extends B {
4    int xc;
5    int yc;
6
7    C(int v1){
8        System.out.println("Constructor of C");
9    ]
10 }
```







- @ method overloading
- 3 method oversiding



int is (iv)

Ly studend s: new student ();

-> User U = new student (); -> Possible

Lu. email ~ Lu. batch?? -> Can's 60 accessed

new Student();

hew TAC);



-> Student s: new user();

Q. Povot A

B

C

Obj2: b

A

Obj2: new B(); \times B

C

Obj2: B

Obj3: new A(); \times R

Obj3: new A(); \times

AlgoPrep

compile time Polymorphism.

	Compile mind	
* method over	oading	
	coading 6 A class having moultiple methods me (with diff set of Paran).	4.2146
	Services Productive Programmes	001111
Some no	me (with diff set of Paran).	
	<u> </u>	
Class	student {	
	void hello () { Soop ("nello!");	
	Sob ("Hellol"):	
	3	
	void hello (int i) 4 S.O.p ("Hello 2");	
	void hello Cita ,	
0 8	S.O.D ("Hello 2");	
	13	

3



() c	ass student {
	void hello (ind j) {
	Sono C"Hellol"):
	XX
	void hello (int i) 4
	S.O.p ("Hello 2");
	2
3	ls many would be considered in methodoverslooding
•	class student {
	void hello () {
	void hello () { Sop ("Hello!");
	2
	int hello (inti) 4
	int hello (inti) 4 S.O.D ("Hello 2"); Hellono;

	,	
Class	Student {	
	void hello () {	
	Sop ("Hello!");	
)	XX
	ing hello () 4	
	S.O.p ("Hello 2"));
	3 hetumos	
3		
	Gretum type won't be wring method overloading.	Considered
and de	uring method overloading.	