今	BUILDER DESIGN PATTERN.
(Clase with lot of attributes.
Ć	Class Student (
	String norme; int age; Student S = new Students
	String batch S. Stathame (-); 7
	double pp;
	String univ Name; S-Settsp()
	int grad Year;
	string phone No;
# W C	Je want to validate the object before its reation.
Vali	dations.
<u>:</u>	Students should have grad Year < 2020.
2:	Students Should have grad Year < 2020. Thore no. should be valid.
> N	No student object should be created mithout
	No student object should be created mithout checking validations.

Class Student (String ronne; int age; Student (name, age, batch, pep, String batch miervance, double pp; grad Year, thone No K String univ Name; int grad Year; if (grad Year >, 2021) ¿ String phone No; throw -PSVm () L St = new Student ("Kaikser", 25, 4 Morning 4, 84,26, - . - - -);

Issues.

L' l'ifficult to understand.

2. Irone to Errors.

Class Student & => Issue: Student (name) L constructor 3 Stordent (name, age) (
this name = name Student (vanne, univbanne) &

thus manne = name

3

Student (vanne, batter) &

______ Constructors with same method signatures not even allowed.

7 relescopie Constructors.
Student (mane) { Hris. manne = name; Student (name, univhame) \times (manne); this (manne); this. univ Name = univ Name;
Some data structure that can student (param) Latters > Map- Some data structure that can allow us to pass multiple that can allow us to pass multiple atters > Map- Map- Some data structure that can allow us to pass multiple atters > Map- Map- Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass multiple atters > Some data structure that can allow us to pass of the can allow us to

Hash Map & String, Object > map.
Clare Student (
Student (Map < String, object > map) 1
Student (Map (String, object 7 map) l this name = (String) map. get ("name");
this age = (Integer) map. get ("age");
<u>=</u>
> Type Casting > It can lead to some funtime Exceptions. PSVM() {
Maps Etring, Object > map =;
Map(String, Object; map = ; map. put ("nama", "Stronable");
Student 8t = new Student (map);

-> No compile time Check on Allo names. # something which is like a Map (it allows us to store Vatto names with their values) and also provides compire time safety over the attribute names & attribute type. mapiname = map nama = " > " Builder. Class Helper ? String rome; int age; String batch double pp; String univ Name; int grad Year; String phone No; Helper helper = new Helper!); helper. setName (75); helper. Set Gradiean (--);

Class Stirdent ?	
No type ca	sten.
Student (thelper helper) L helper now	ma ~.
1/ Validations.	
this name = helper name,	
this age = helper age;	
<u>3</u> =	
→ BUILDER.	
Allows us to create an object where we ha	we
1) Class mith too many attributes.	
(1) Class mith too many attributes. (2) Validate before Object Creation.	
*	