## Agenda Builda Dorign Pattern

## Builder Derign Pattern:

class studen +5	class Cor {
- mamz	- engine
- batch	- # doors
- id	- # wheels
- year	- wolor
- gradyear	- v-g no
- course	- ground Clearance
- age	- price On Road
- email	- launch year 3 - # of seats
> psp	3 - # of seats

Class TradeOrder &
- token from
- token To
- token Value BTC
- date
- usa
- stop Loss Added
- token Value INC
- wallet Add
- Exchange
}
1) Setters Object already Created
Student st = new Student ().
St. setName (); - > uass Student {
st. och accordant x)2
ithrow new Except 3 this . X : x,
1. How to validate the parameters witnout
creating an object.

class Autro2 E
boolean logier (Studens st) s
//some checks on st
3
(2) Constructors:
name age.
Student St 2 nw Student ("Akash", 15,
"Sept LLD"
Student (id) Sorder of params can
student (id nam) go wrong
student <u>(id name batty)</u> 2 Namber of params
cturdent (
Student ()
(3) Too many Constructors
Telescopie Construtors & No construtor
student (String name, double psp);
Student (String batch, double age).

(3) Map (string a Object)		
Student St = no	o Student ()	
class Student 2	one douta a Structure Storing	
student (Mapx-1-> m) {	an paranu	
	Nap( string , Objet) m = new	
if (m. wontowns key ("id"))	or ide of Harhtop	
2 tuis id = m. get ("id").	m. Jet ( "id 123), xy	
1		
<u>,                                    </u>	m. set ("name", "Akauh")	
5	namee 123	
1) No type valid	otion (compile time) E	
2 Param name	mismatch.	

4 Solution ->	Map like Properties
	2
Ca	n also type check in
	empile time.
class Student &	
smine mane; intid;	
	Class Studenthap 2
Student (Student Map smay	De String name,
tuis name = smap-name,	
teris, id = Swap. id,	intage;
	int psp;
7	// Settus
	3
Student Map St	nap = new Student Maps)
smap. set Age	( 19),
emap. Set Na	me ("Akonh"),
•	
Student St >	new Student (smap).
class Antronice	2
Viold win C	Student Nap smap)

Class Student 2 public Student (Studenthap Smap)? if (s.map. id = = nul) {
throw new Exception(). tuisijd = smap.id. if (smorp-age | = noull & smop.age > 20) { tenis. age 2 age, This student hap is a helper class to validate & build Student Object

2 Builder Class
Stadent Map -> StudentBuilder
() Builda Derign Pattern
Break #1 = 8:15