

7. 3 DB Conn private DB Com (5 ? public efetre DB Conn get Inst: wel, uN, pwd

public efetre DB Conn get Insterne ()?

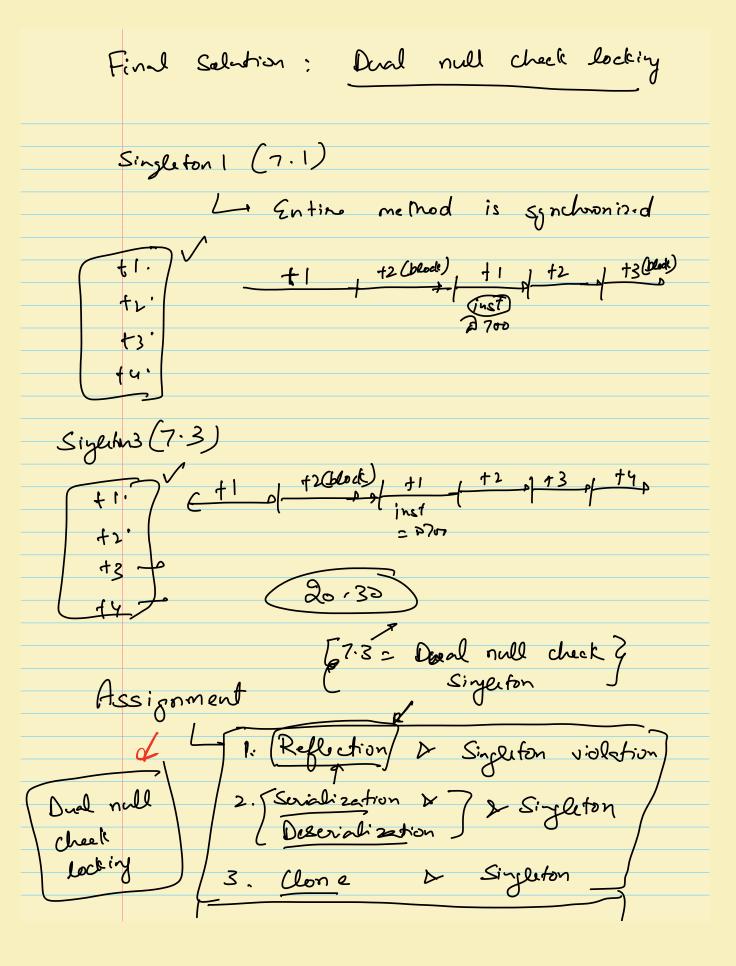
if Cinst == null)?

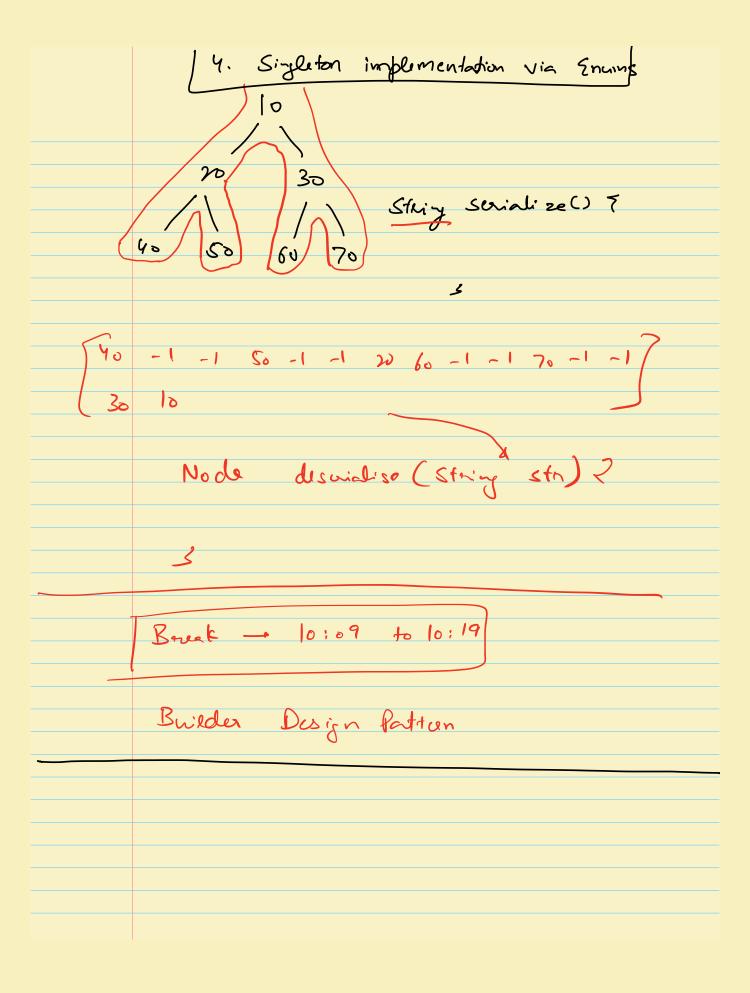
inst = new DB ConvC)

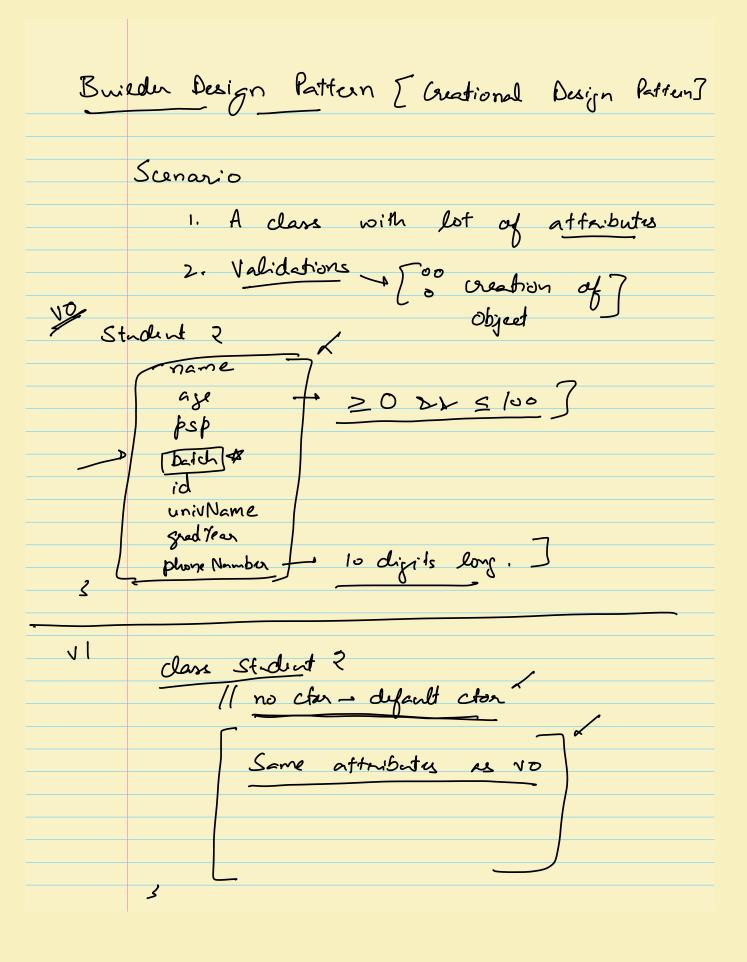
rutuan inst! - Performance Degradation after the instance has been created Eager loading Singleton implementation

class DB Conn 2 Private DB Conn () ? private static DB Com just = new DBCon(). public static DRCom get Instance 52 - Warles as a singuton - when the clase is boaded, at that time, inst is set to an instance - Is Also Thread-safe st = DBConn gelonsic DBConn s2 = DBCon 1. gelonst DB Conn

Synchron: zed Heep +2 [block] Class is loaded onco. & Con of Eager Lording Sigleton. Loading unnecessarily. 2. If there are paremeters to be passed to initialized, we connot use eager loading







Chient Student st = new Student() st. eg = 10 St. name = "Sumet" st. univ Name = "PEC" 1. No validation 2. Client's can create incomplète objects I they may forget to ?

Set recessary properties I 12 Class Student ? // make datemembers painte private intage: - public int getter()? retur ge public Student (name, age, psp. ... Tig (ago < 0 /1 ago > 100)? S Leption ("Age court

// validations be - ve")

Chief Strand st = new Strant ("Samed", 10, 70.0, 91. Chient code is unreadable P2 2. Perone to crear of a buddy to students, ctor 4. Client's will pass mull for parameter's they don't have a vald V3 Set of ctors

```
Staded 2
     // lo properties
    Student (string name) ?
this (name, 0);
    St-dent (name, psp)?
          this (name, psp, 2000);
    St. dut (name, psp., gradyar)?

This. name = name

This. psp: psp

this. god Year = grad Year;
   27 cters are possible
            (C);
(PI);
                ( (b2) .
                    (p1, p2),
  Telescoping ctors explosion
```

2. Student (name, psp) - Student (univ Name, psp) - S Ctor overloading might not always be possible. VY class Stadent ? // peivate dm 11 public getters & object

public Stident (7 object) obj) ? Client Hashtap/String, Object > buildu new HashMepKx () builder . put ("name", "Same et") Student st = new Student (beilder); 1. Typos

builder. put ("page", 20 2. Cfor will have hypercasting?

> if -else conditions. Student (Kash Mep < 5, 0> builder) ? if (builder. containteg ("age") age = (int) builder get ("age");

15 Student ? Builder ? 11 to dm - name, age, psp ... [pv1] int age 5 name 11 setters Psp Student (Buildu sb) - god Year J. all Studiet properties. throw Enception age: sb.age 7 nome = sb. name Clients Builder b = new BuilderC b. name = "Sumed" b. age = 10; / b. gred Year = 2009 · V [Stadent st = new Stade of (b) - Validations V Cfor explosion? - A cfar with many power - unreadeble v

Demo Code PS - Student class should help you get the Buildon. V6 Add a static fr. inside Student St-de + ? static Builder set Builder ()? return new Bwilder() Buildu (B = Student. set & wilda(); b. name = "ABC" 11. Ege = 10 Stadent s = new Stadent (5);

P6 -	- According to St	RP, it is
	builder's responsibility to create	
	Stadent	
	buildur. build()	
v7		
	ndent ?	Builder ?
/(peisate dm	11 dm
11	public setter	
, , ,	P APC 1 ?	Straint build ()?
ء م	A Selection of the sele	valid > init
3	R setR()? return newR()	
	lic Stedent (Builder 6) 5	return et;
F	11 valid & init	5
		5
5 -		
	·	

Problem La Client Stodent Stadent. get Builder(). s2 = Make the Solu. cfox put.