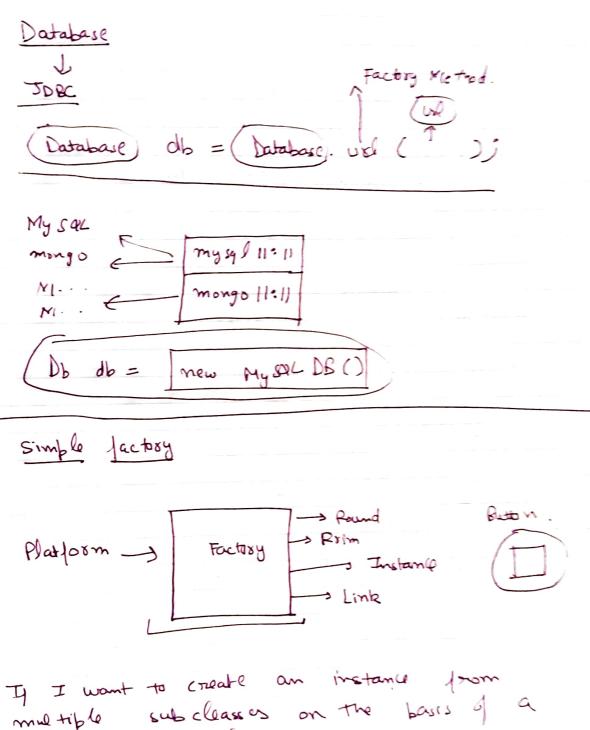
Ray 10: Design 7	attern:	Factory
(1) Motivation - Real world - Technical	(3) (4)	Factory Method.  Abstract Factory
(2) Simple Factory - Implementation - Codo.	٥n	
Motivation		
Sygan		- Parle Co
wheat —	Facto 84	Burbon
choulde —		50 - 50 <sub>.</sub>
Responsivness		
Des ktop  Sub mil	105	Amdroid  Link.
	Button	
		A
Primary	Round	Undocline
1	$\uparrow$	

render () { if ( platform = = iOS) } oreturn ROUND else if (platform == ANDORID)? LINK 3 else ?
PRIMARY BUTTON (1) SRP violations - 2 (2) OCP (4) (Sub class usage) -> Backward incompatible. about subclassos. -> Not awas Factory - s create objects. -s w/o specifying subclass.



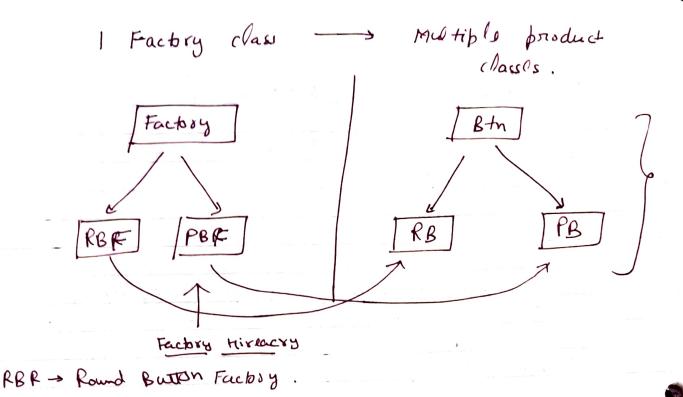
multiple subcleases on the basis of a type / conditional,

SIMPLE factory

Class Button Factory ? Static Button get Button ( plat form) ? Switch (playform) } Button factory - get Btn (platform) Simple Jackry - Design Partern. Prototy be Factory 3 Multiple instances -s single instance from without recreating. multiple tope still dependent on - sindependent of subclasses. constructor / Sub closing PROTOTYPE + FACTORY

Factory Method

one class - s multiple instances.



6

interface Button factory?

Rutton (needle Btm (x))

3

(needle factory classess.

(lass Round Button Fact. imp Button Fact()?

(neate Button())