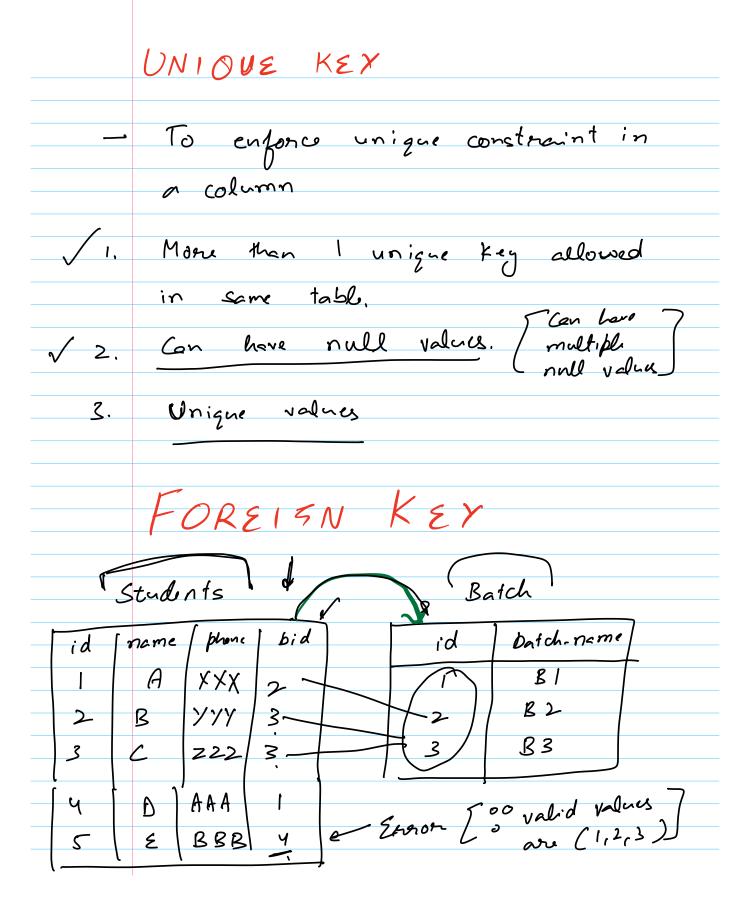


4. Case Study Superkey - Any collection of uniquely identify a typle. Candidate Key - Super key with minimal attr, AU Actual keys PK Student - Id IND email V Lyname phone v -email

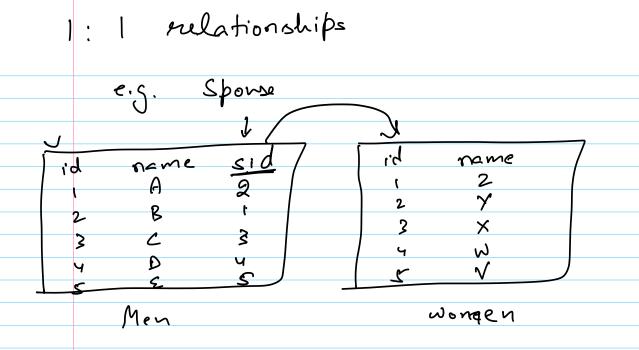
- phone

P,	rimany key - A selected condidate
	key is designated
	as Pt. The purpose
	is to have a défault
	way of identifying
	tuples in a ruled:on.
	email Taltural
	Candidate key phone (keys)
	Candidate Key phone
	id / [PK]
	Properties of PK
1.	Only I allowed per table.
2.	Null not allowed
٠.	Unique values

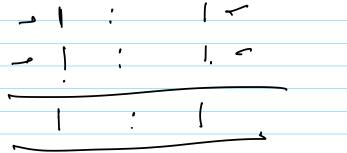


Properties 1. Multiple foreign kege are allowed Allows null values No uniquenus check Show-Seet PRIMAR KEY show-id, ceal id (show id, seed id) DUK are nearly simplar onderes when we create a PKT date of the table is you have sented according to the 8 m Lector

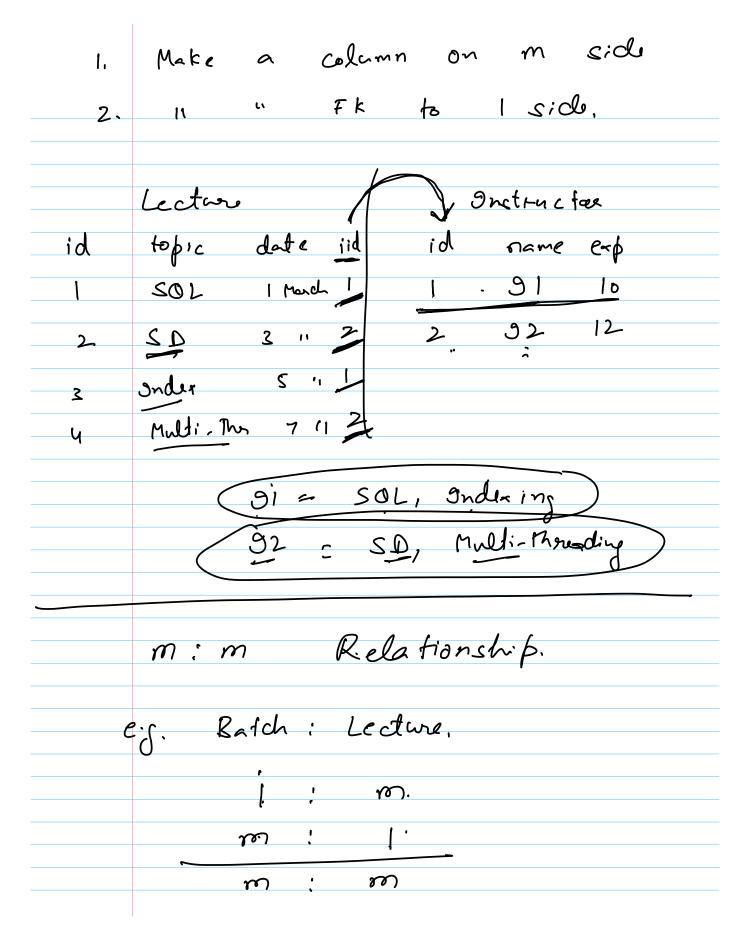
Break = 10:03 to 10:10 Relationships Schoma Design Case Study Relationships btw Tables. Condinality How to identify? How to create these relationships? Cardinality - 1:m [m:1]

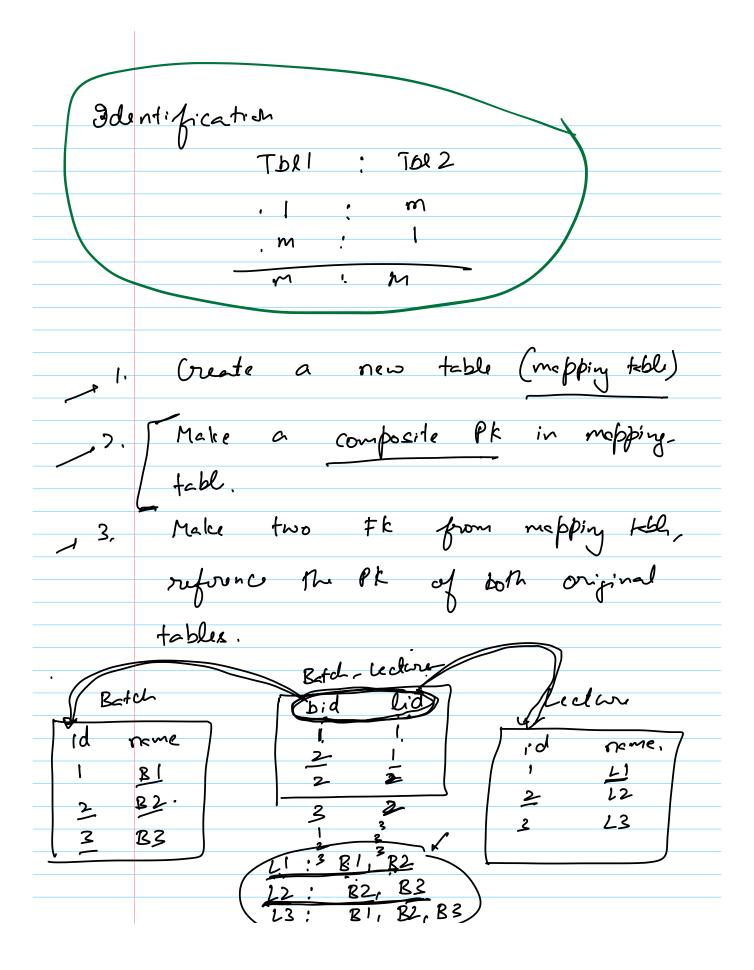


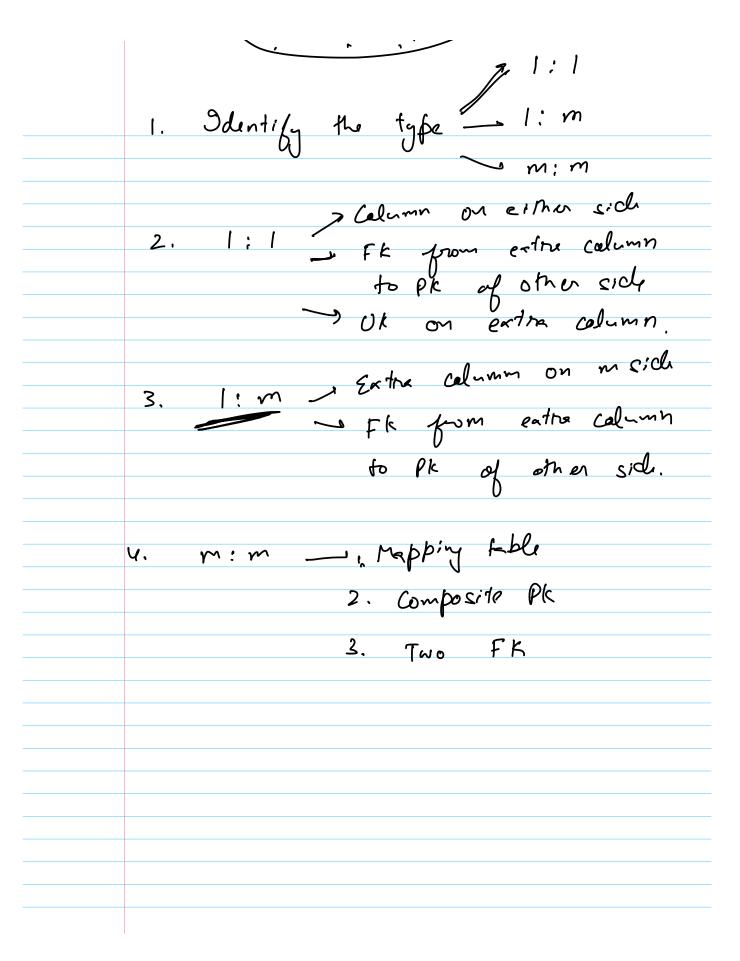
- For 1:1 rulationship create an extra column on either side, & make a FK to other side.
- Crede a UK on FK Column Men : Wormen 2.



	Men		Women
id	neme	,	id name
10.	A	4	
_		,	2 X
2	B	>	3 · X
3	C	2	Ψ W
			5 V
		inclar	Relationships Lecture M Instructor







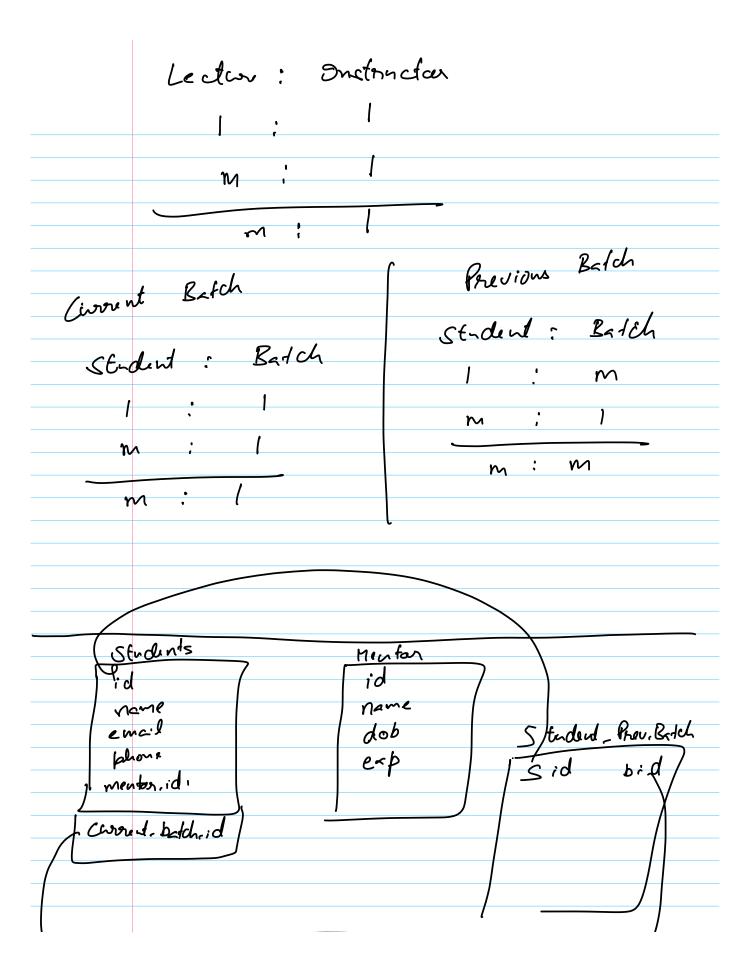
(Scheme Dasign
Ι,	What is if?
2.	Whom is it done?
3.	why is id done?
И.	How is it done?
	what? - Process of duigning datases. what tables?
	2. 1. columns?
	3. What relationships?
	When? - 1. Design blase
	S.R. Diagram
	Budininants ER Diagram Schame Disign.

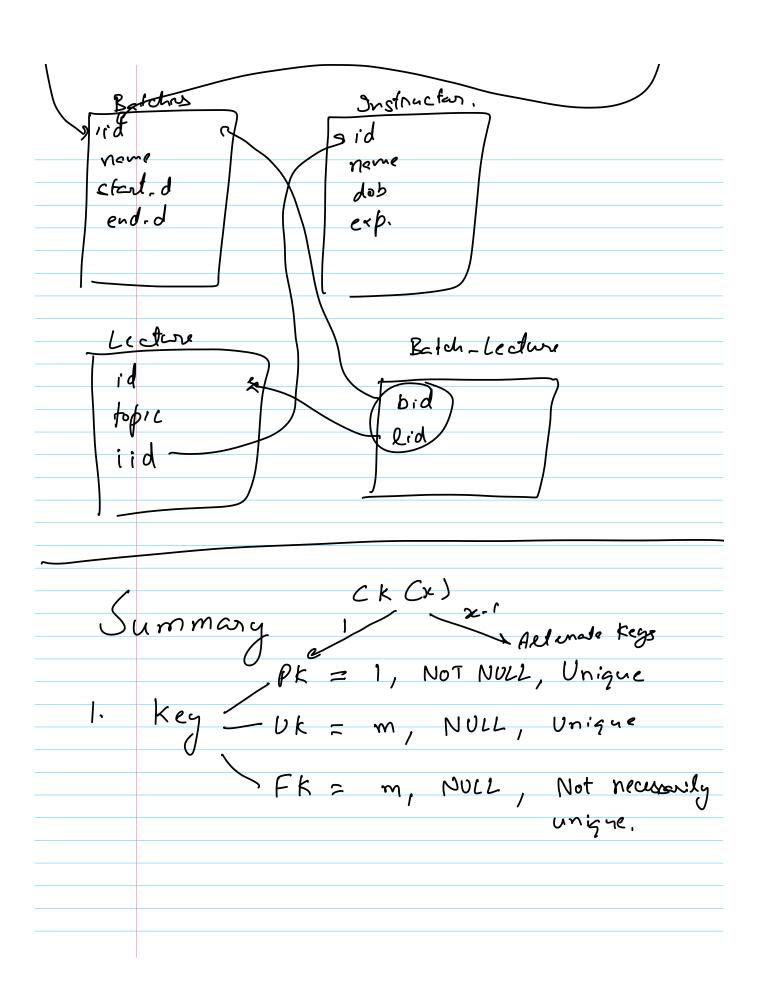
	Why? - of db is not planned
	perspectly & modified later,
	they we have to sive
	db migration [leading to Z
	db migration [leading to ? down time] Chaye in Dr. John time Chayes entire codebase [Model, Repositories, Services]
	Down time
	Charges entire codebase
	(Model, Répositories, Services)
	How is Schema Dusign done?
3p -	· Business Requirements
l	. Odentify Entities [Nouns] [Tables]
2	non-rulationships 11 attenibutes of entities [Adjudius] [Columne]

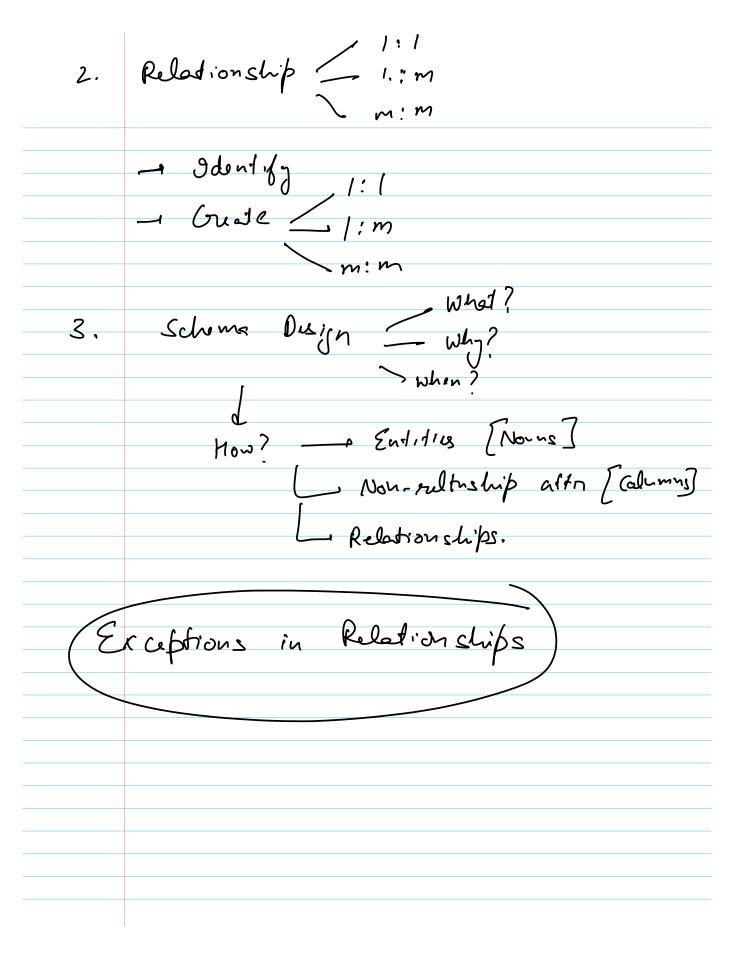
3. Odntify relationships, [1:1]

m;m] represent Lo Column & Keys
Lo Tables, Columns & Key. (ASE STUDY Entities: students, betches, mentons, instructors, loctures. Non-rulation. Altributius Student: name, email, phone Batches: name, start-date, end-date Mentors: name, dob, exp Instructore: name, dob, exp Recture : Vtopic

3. Re	lationships
	Student is assigned to a batch. II can shift betches In has a menton, Betches how Leethers. Lecture is taken by an instructor. Multiple betches can bean together.
	Student: Menter students : table. m:
	Batch ; Lecture ; m m ; m ; m







Conceptual Practically Super Confosile
Confosile
Actionate/Secondary FR UK UK Women Men neml neme id B 2 3 X

Student : Betch m **~** m Student Batch id news news ubid 61 B1 84 3 3 B3 4 B 4 4

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