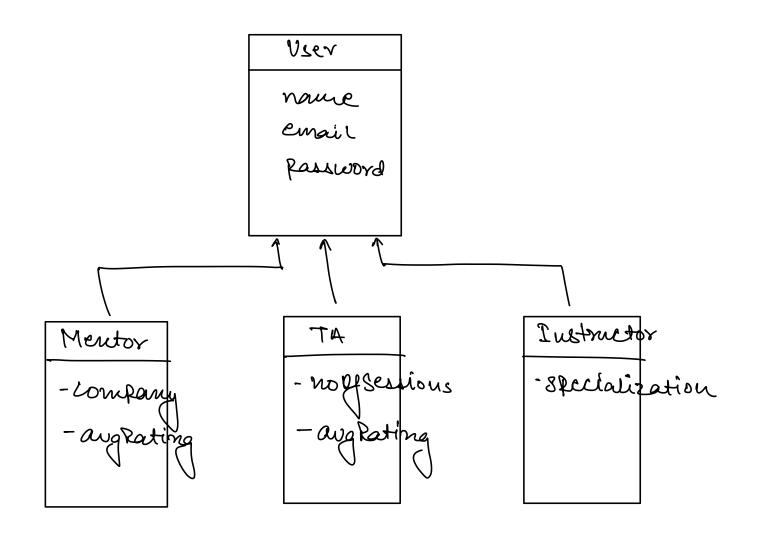
Agenda. - Represent inheritance in Database. -> Setup eur DB 7 Intégérate DB mith Product Service. Product 7 How to represent Inheritance in DB. -> 4 ways-- Mapped Super Class - JOINED Table

Table Per Class L's Single Table Class.



Store the data of instructors, ta & mentors in the DB, trow?

1 Mapped Super Class.

=> Vohen there's No object et farent class.
=> Parent class can be marked as an Abstract
Class.

Approach.

- 1) No table for parent class
- 2) One table for each of the class mith their own attributes as well on attributes from parent class.

mentors

Company augkating name email Rassword

ta

nol/Sessions	aughating	name/email	Pass word
<u> </u>	$\overline{}$	<u> </u>	

instructor

specialization naure email Resswor

Q: Get email of all the users.

Select email from neutors

ONION

Select email from ta

ONION

## Select email from instructors

- 2) Joined Table. > 99.99% (But 5014)
  - Flore in the parent table.
  - -> for each class also, We'll weste a table with only their own attributes.
  - Via foreign Key.

id name consit Passinord

mentor

Company augrating | ner-id

ta

nolfsessions aughating nerid

"nut ructor

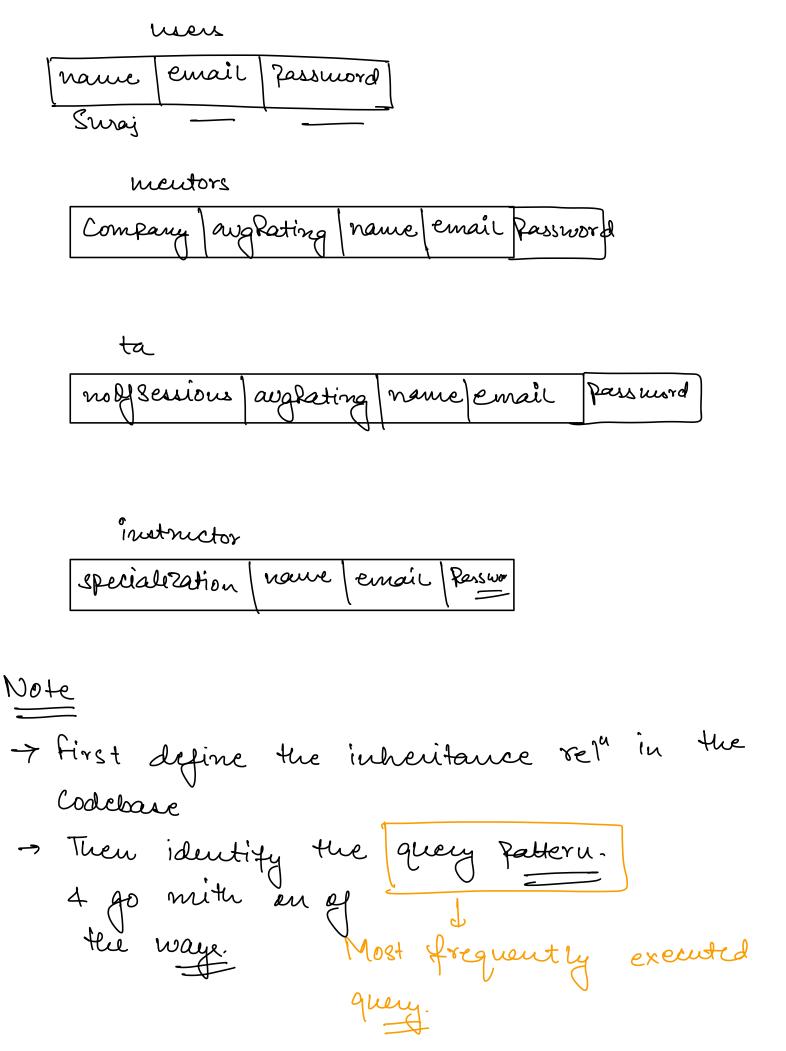
specialization neer-id

<u>Q.</u>	Get	email ids et all the Mentors.  > 7010- Mentor 4 Oser.
		=> 7010- Mentor 4 Oser.
Q.  -	Get	email of all the users.
		La Single query
		Relect email from users.

Gerace

There can be some user which is neither ta, nor Instructor & nor Mentor? Mapped SuperClass X 5 Johned Table.

- 3 Table per Class.
- -> Exactly similler to Mapped Superland, only difference, here we'll also weate table for favent class as well.
- 7 table for each class mill have their own outsibutes as well as pavent class attributes.



- 4) Single Table (Worst Soly)
- => Create one table mith all the columns across
  the tables.
- => Add one extra comme men-type to recognize the type of mer.

## Wers-

	Password	Company	aughating	noffsen	avg	Special	1-
(x45)	 	\ - `		Norr			
Jeen	 	Norc	Nore	Nord	שטני	LLD	

=> Too may Dulls. (Sparse table)
=> Waste of space.

=> If a user can have multiple voles.

=> 4 ways to represent i	
Mapped Super Class. > No	object for Parent
Joined Table. > Table  Crild to  faceut C	for parent class 4 bles will refer the class via f.k.
Exactly similar to 1 but table for pare	Mapped Super Class, ut class-
——————————————————————————————————————	