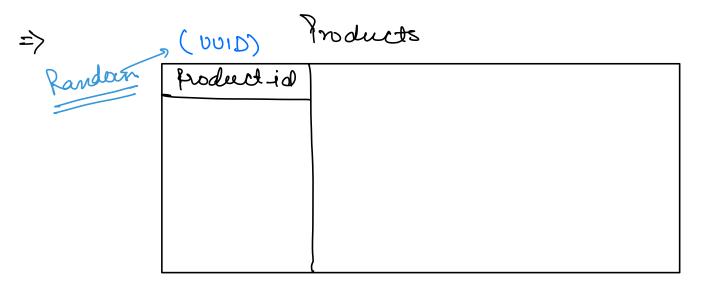
Not auto ersan increment I id E) DB by defaulte sorts the data based on the Inden is also created by default. Nas id = 9 sow in between, mill have to To insect a Shift the date If database is maintaining auto increment over PK, then shifting would not be required.



=> UVID V7 makes sure that the newly generated UVID is greater than the premiously generated UVID_

=> timestamp.

```
Milliseconds since epoch

UUID Version

018aab68-d2dd-78f1-bc79-fcc52619c0e3

Random

2 bits variant, 2 bits random
```

- Milliseconds passed since 01/01/1970. # LLD Class. Class Program. Actor Movie @ Entity @ Entity -name - rating @ Maryto Mary - moof Movies - List < Actors> - List< Movies> Movie

7 Timestamp.

movies

id)	name !	date \	racting

actors

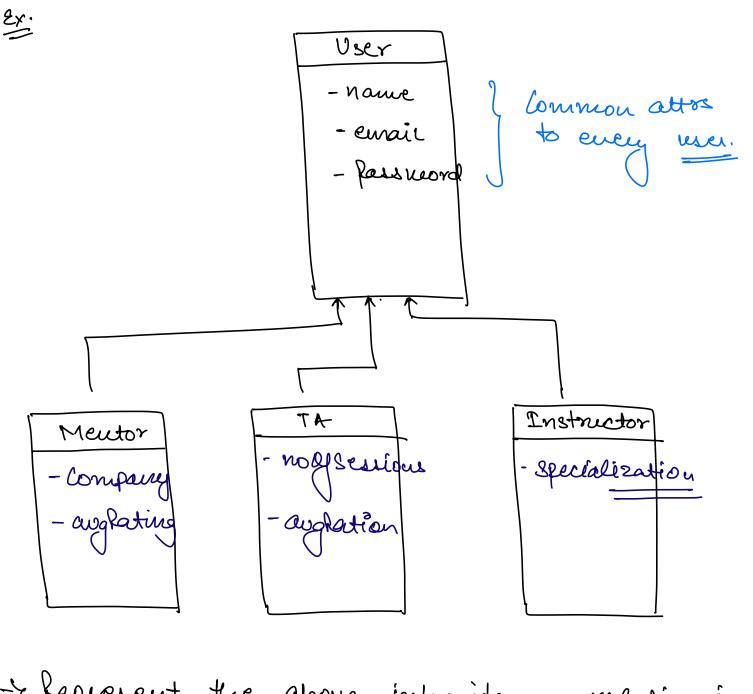
10	name	age	nogravies

movie-actors

movie_id	actorid	= Mapping
		table.

De Given a movie-id, fet me details et all actors in that movie.

) join mapping table & actors table.



-> Represent the above inheritance relation in ratobase.

4 ways to represent Inheritance relations in Patabases.

- 1 Mapped Super Class.
 - → When there min be No objects of farent Class.
 - 7 Technically favent class is an abstract

Approach.

- 1) No table for parent Class.
- 2) I table for each thild class with their own attributes as well as their parent's attributes.

mentors

1 net nectors

name email Passicord

name	email	Passucord	Company	aughating
	L	<u> </u>	1 9	
•				
tas				
name	email	Passucord	(nogless	aughating
			•	
•				

Specialization

Q. Get email for every wer. Select email from mentors SOINS Select email from tas UNION School from instructors. => lot of queries.

=> Not a very good approach as if we have multiple type of were then there's a chance of mus.

- 2) JOINED TABLE. (Most frequently used).
 - -> Every data vort Objects of favent class. we'll have in the favout table.
 - > for each child class also, We'll weate a table with only their specific altos.
 - -> We'll get facenté (common) attres for each table via foreign key.

	U.	lers	
₹ [id	name	cuail	fasiciona
		•	•
ι	nentors		
Compa	my aug R	eting lus	erid
	9	9	
	1		
	tas		
no042er	séous a	ughating	userid
		•	
	•		
	Instruct	Drs	

Specialization

userial

=> Select email from users.	Q. Get email for every rever.
Table per Clars. Table per Clars. The is exactly same as mapped super class. We'll also have table for parent class. The is used when we can object for parent class as well. Table for each class will be with its own attributes as well it's parent attrs. The contains only users data. The contains only users data. The email formulated Company argusting tas The mane email formulated Company argusting tas The mane email formulated unoffer any argusting the contains of the company argusting.	=> Select email from users.
> Well also have table for parent class. > It is used when we can object for parent class as well. > Table for each class will be with its own attributes as well it's parent attro. There is used when we can object for parent class will be with its own attributes as well it's parent attros. There is used when we can object for parent class. There is used when we can object for parent like with its own attributes as well. There is used when we can object for parent like with its own attributes. The parent class as well. The parent class as well. The parent class as well. The parent attrostic contains only users data. The parent class as well. The parent class as well. The parent attrostic contains only users data. The parent class as well. The parent attrostic contains only users data. The parent class as well.	3 Table per Class.
Table for each class will be with its own attributes as well it's parent attrs. wers name chair password Contains only mentors name chair password Company arghating tas name chair password reoffers aughsting instructors	> It is exactly same as mapped super class. > We'll also have table for parent class.
Table for each class will be with its own attributes as well it's parent attrs. wers name chair password Contains only mentors name chair password Company arghating tas name chair password reoffers aughsting instructors	-> It is used when we can object for parent class as well.
name email Rassmord Company arghating tas name email Rassmord Company arghating tas name email Rassmord mogliers aughating	
name email Rassucord Company augkating tas name email Rassucord mogless augkating instructors	name rugil Rassupro (Contains only
name eman Passueord mogles auglating	
name email Rassucord moofses aughating	name email Rassucord Company augkating
instructors	tas
	name email Passicord nogless auglating
name email Passicord Specialization	instructors
	name email Passicord Specialization

name 1	emain)	password
reepah	deepale scaler en	1234

4 Single Table.

-> Create one table mith all the columns across all the child classes.

users.

vau tye	name!	email	fassword	Company	aughating	no	اهيم	Specia
Mautro	deepale	deepaka Scali-ci		Amazon	4.8	Dul	bud	Nucl
TA	Suraj.	_		NOLL	NULL	100	4.9	Dell
						l		

- -> lot et Dulls. (8 parse table)
- -> Space wastage
- recognise the type of leser.
- 7 If a user can have multiple roles.

4 ways.

- 1) Mapped Super Class
- 2) Joined table
- 3) Table Per Class
- 4) Single Table.

* ----