AGENDA
✓① COMPlete schema design ✓② How to decide Pk fore
Mapping table
Mapping table → ③ Netflix Schema design
<u> </u>
Start by 9:05 PM IST

```
scaler has multiple batches
  ✓ I·)
  2) Each batch - name / curr - instruc / start-month
  > 3.) Each batch has many students
  4.3 Each batch can have many classes
 ~ 5.7 Each clase → Name / date - time / Instructor
  ~ 6) For Every student → name | Grad year | univ | Email | Phone No
 V 7')
        Every student has a buddy (who is also a student)
 8.) A student can move from batch 1 -> batch 2
 (9.) For each batch student attends, store start-date of that batch
 10') Every student has mentor
 VII) Each Mentor store Name whe Lom Pany
 12) store into on all mentor-sessions
          *: time /duration/stua/ Mentor/ stud_Rating/ Men_Rating
 13.) for Each batch - store wether DSML Academy.
    (E)
             batches
              batch-id, name, start-date, instructor-id,
                                                         baten-type-ca
  (2)
           instructore
            instructor-id, name, email, avg_rating
 (3)
        . students
          student-id, name, email, univ, grad-ye, batch-id, buddy-id
                                                      Mentou- id
4
         classes
         class-id, name, schedule-time, instructor-id
```

S Mentors mentor-id, name, curri-company 6 Mentor-sessions mentor-id, student-id, duration, stud-Rating, mentor-Rating batches - classes batch-id class-id (M:1) closs: instructor -> 5.) 6.) student: buddy (student) -> (M:1) 7.) buddy - id student can move from b1 -> b2 8.) XXX stud: botch start-date student -> batch store Well = (198 special case) (8)th table: student_batches b-id move-date stud-id

		1	1_	13/07/23
		1_	3	30/07/23
(0.)	Student: Mentor	→	(M:1)	
	*			
11·)	Mentor-sessi	ons don	ಲ	
(2)	MOHIVE - Season	D112 G017		
13.)	"Academy" OR "DSML"			
	batches			
	15-00	codemy		
	1 yash	(0	cademy)	- PROBLEM?2
	0	(dsmc)	
		× Th	is is Not	pag.
			Not s	ecalable.
2 ⁿ	d Approach -> 'string'			
		<u> </u>		
	id Name enail	botch-t		
		Acader "DSM	L .	acadmy
(*)		١٧١٥		
	PROBLE	SN4 2		Advantages
		ro . Ng wiU to	ake time	
	Σ ΤΥ Ρο	122467	ike wije	(1) Easy to Aead
	3 Move			
	Two test	-rucc		

3 ENUMS				
→ batchtype: DSML				
Academy				
'				
Enums as dropdowns.				
'				
= Enum 2 = enumerations				
DSM L O				
ivation X 1				
In Application X 1				
oode j				
batches				
batch-type (smau-wt)				
_O				
1				
2				
PROBLEM 22				
(1) Not readable				
2 updating delding values - can be fuoblem.				
Advantage				
1) Fast Query				
@ less space				
(Appunoch-3) Mix (A) and (A2)				
(iffection is the control of the con				

(9th) table: batch	table: → (lookup table) n-type- Name DSML Academy
batch: batch	n-type -> (M:1)
Put batch-type_	id un batches
*) Pk of Mopping tables	2
Studient.	- batches
stud-id	batch—td nove-date
(1) cheate "id" (2) composite Pr	
id as Pr (1) size of Pr +	(stud-id+batch-id) as Pr size of Pr 1

Another Example:
New Requirements
1) student can be part of Many batches (at diff time
2 Every batch has exams
(3) same exam could happen at diff tune
for diff batches.
4 if S noves from botchs to botch 2
He she night have to Give Exam Abain.
student_batches
s-id b-id move-at
Barch: Exam (M:M)
batch-exams
b-id exam-id date-of-exam
student: €xam → (mam)
902 # student-exam
→ s-id exam-id hatch-id marks
composite Pk.
Puint exam-name, stud-name, batch-name, marks
Query is Going to be complex-

Note: Most of tunes, you can have 'id'

Student exam					
	50	b <i>j</i> -2	b-id	ex_id	nous
	1.	1.	1 .	1 .	<u> </u>
	2	1	2	٢	20
	3	2	<u>r</u>	L	3 0
	4	<u>r</u>	3	L	40
	5	1	1	1	3 O
			_		
	:				

id	composite key
1) odv: small size	fuob: huge un size
if you add 'id'	
in mapping table,	No additional
which works 99% ON	es long
composite key -> then	
you will need addition al	
indexes	you can use
	composite PK- if
	your use case is to
	ter values 99-1. fuor
	that composite key
	Pk is undexed
	Pk is indexed by default
also, what if not need you do not need	(2-3 keys are there un your composite

then:

Key)

10:26 -> 10:31 PM IST

*) HOW TO REPRESENT W WIERVIEW:

CO12 CO13

table_

CO12 CO12

similarly, for others.

In the End:

describe about indexes and your fk keys

unp.

Not imp.

INDEXES:

T win Mark Under On batch-name col in batches table so as to make gueries factor by batch-Name"

	c grimuezo	Requirement:
		student can soarch
		batches by Name
fk:		0
sinilarly describe f	<u> </u>	
*) NETFLIX Schema	Design:	
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