We begin at 9:10 PM. Good Evening.

Updatus

1. Notes -> 21 > 12

2. Assignment

3. Agenda

Primary keg, Composite key Foreign keg

- Schema Design

- Case Study

- SOL Data types

Schema Design

1. What is it?

2. Why is it required?
3. When is it done? Before Coding

Designing Phase

- Reguirements -

Schema Design

Pictornial Representation

Tables

Localumnes (Nate Types)

Relationship blootables

Case Study Business Requirements

- 1. There are botches. Name, Start Month,
  Coverent Onstructor, Students.
- 2. Students, name, grad year, university, email, phone number, ctc
- 3. Students have mentors
- 4. Mentons have name, dob.
- 5. Student are allowed to shift a cross batches (stidale, endidate)
- 6. Batchess will have classes.
- 7. Class will have name & an instructor.

Tasks
1. Find the entities

entities Cardinality

3. Find relationships blow entities.

4. Express the above 3 in forms of 1bbs

Task! (Finding the entity)

Nouns

For which information is regd.

Students
Batches
Classes
Gnstructors
Mentors

Task 2

1. Students - name, grad-year, university, de current-batch, previous batches, menton, PSP, Status

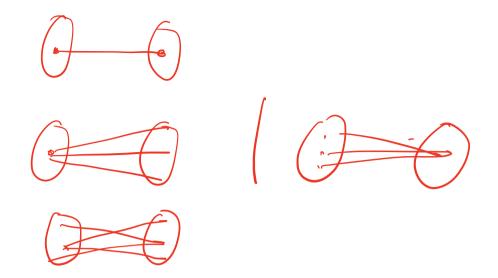
- 2. Batches Name, Students, classes, Start, end
- 3. Classes name, instructor, date, st. time

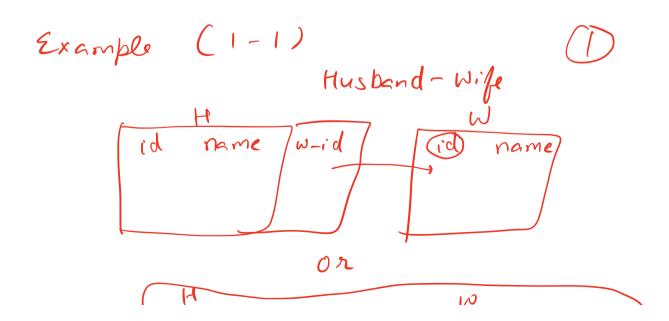
  Batches, Students

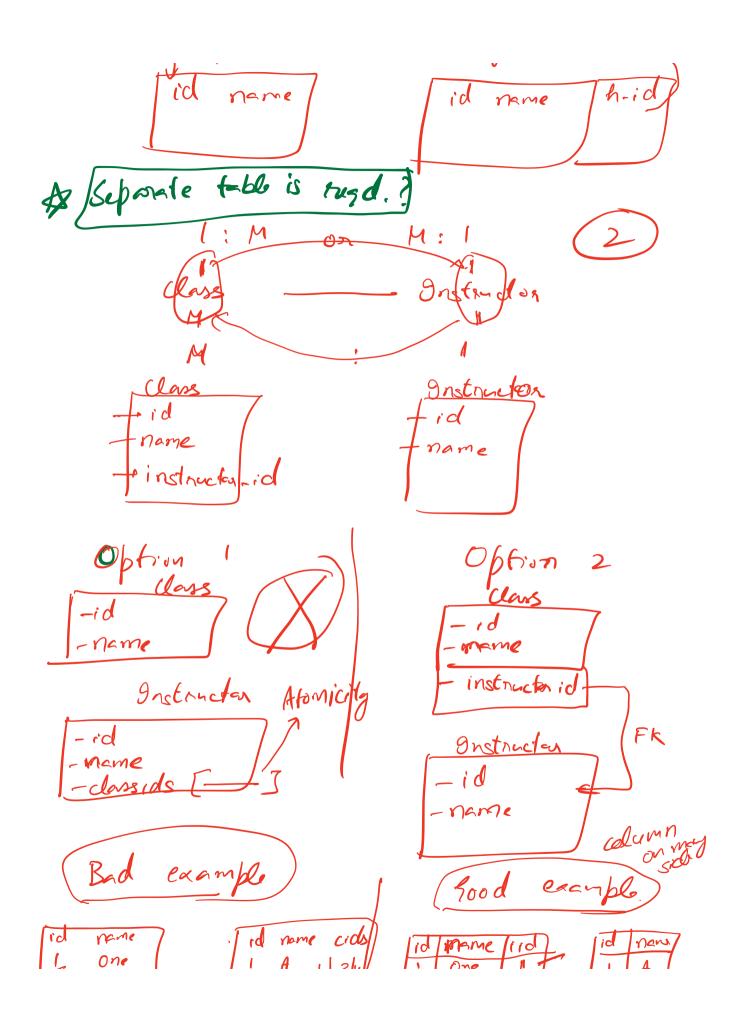
  end-time
- 4. Onstructor name, dob. ms

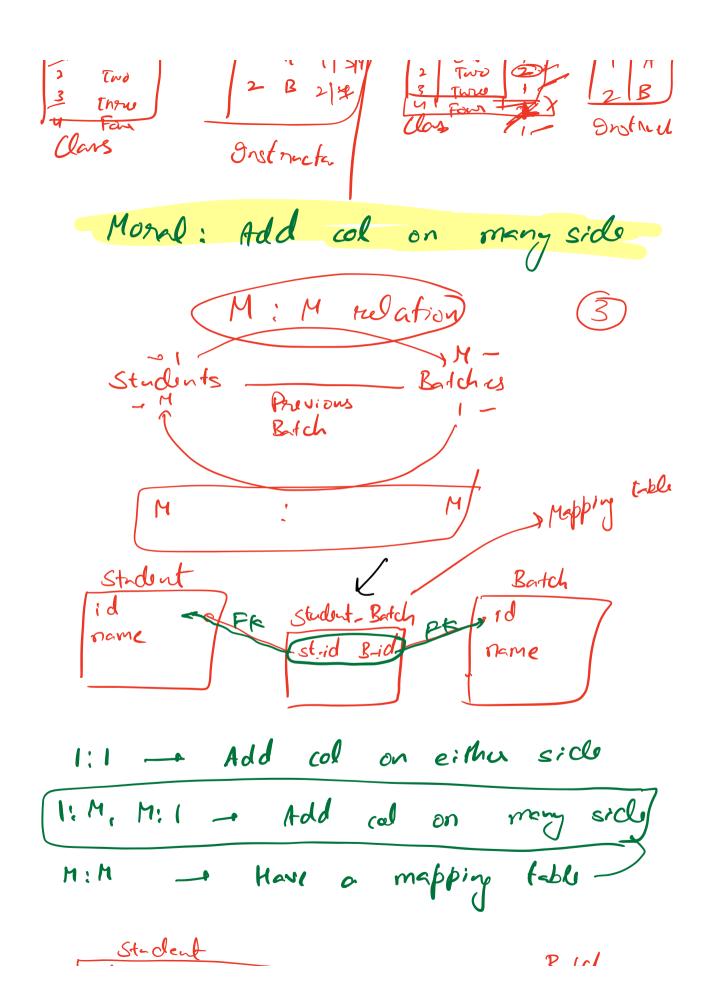
name, dob, org S. Mentors -Task 3 (Relationships) Cardinality One-One 1: M or M: 1 3. M: M Current-Batch Student MA M Student Previous Batch

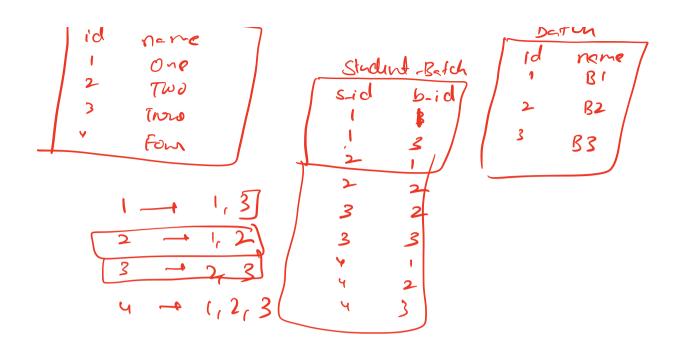
MA Batches [M:M] Enstructor [M:1] Class Claps [M:M]





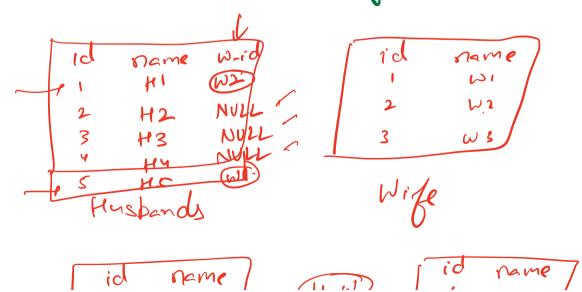


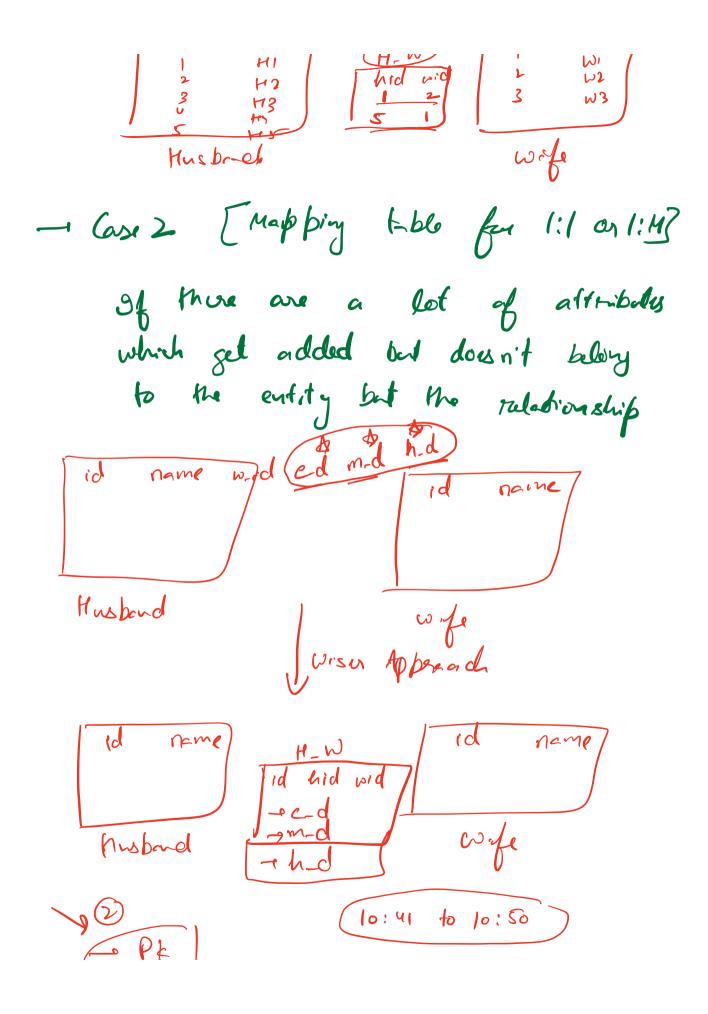


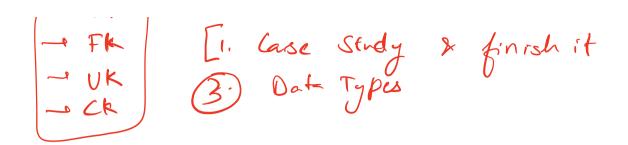


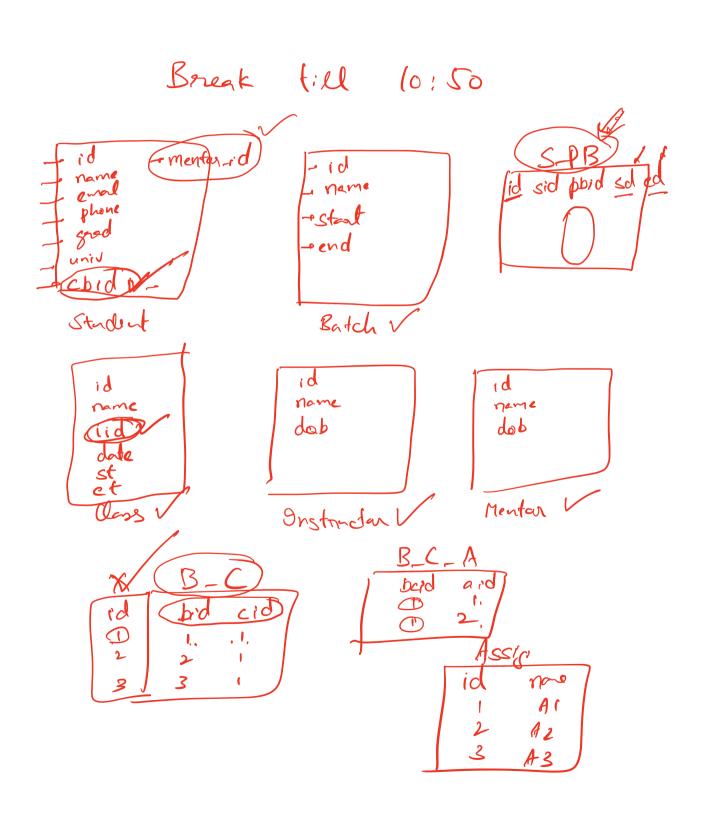
Os mapping table ever negd. for 1:1?

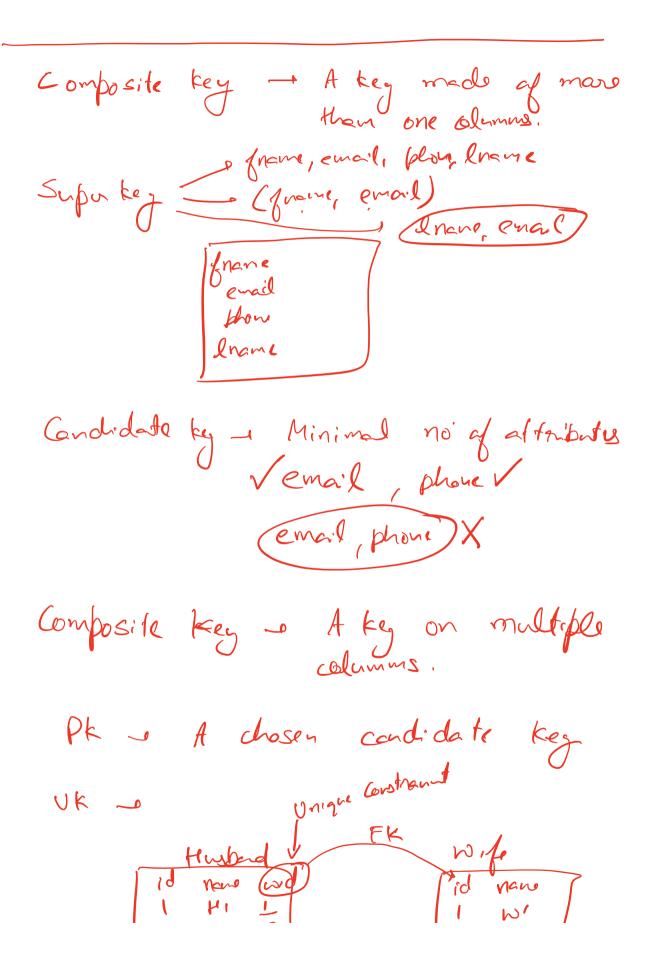
- Case 1: 9f the relation is sparse [i.e. let of NULLS]











2 113 A 2 113 NULL 1: M 0: M I pertable
Omphicitly anique, solous not
allow nulls,
entos Explicitly godded, to implomed 1:1 substranship allow nulls. OF Data Typus Normalization