## WEEK 2

MAPPING ENTITIES FROM AN ER DIAGRAM INTO A RELATIONAL DATABASE

CS3319

## STUDENT OBJECTIVES

- Upon completion of this video, you should be able to:
  - Look at an ER Diagram and turn each of the entities into a table in a relational model.

CS3319

## NOW, LET'S SEE/FIGURE OUT/COMPREHEND THE BEAUTY OF THE RELATIONAL MODEL!



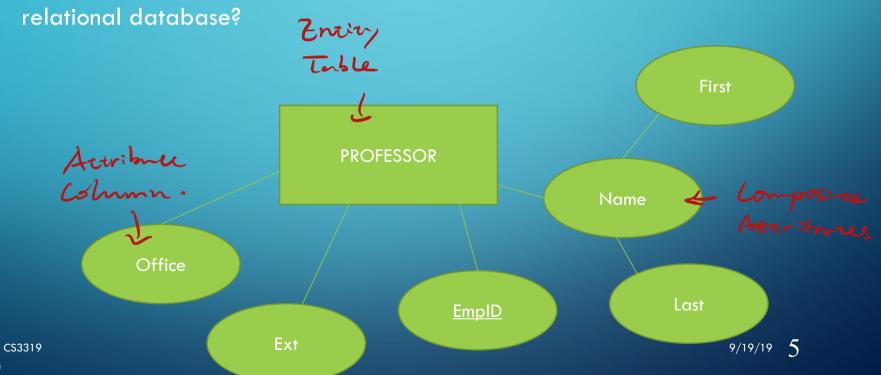
CS3319

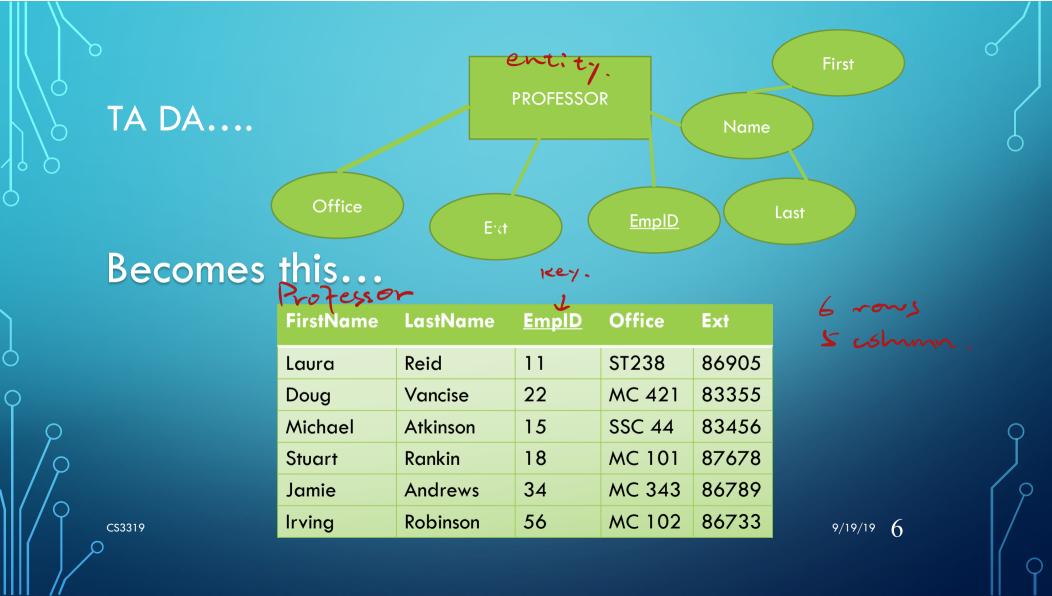
9/19/19 3

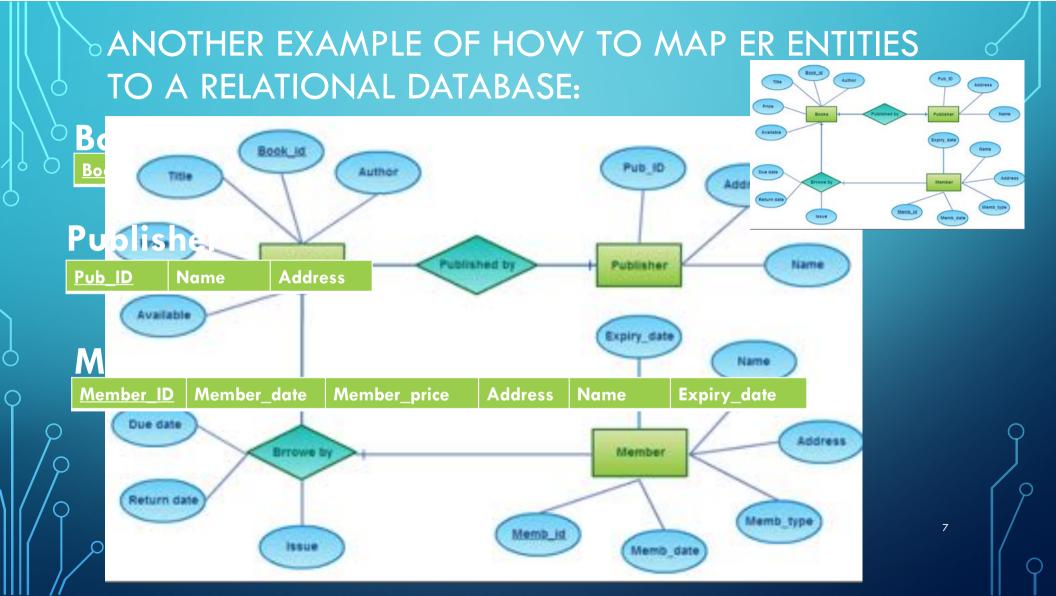
- Think about going from:
  - → The Real World (a mini universe) TO A ...
  - → Model (ER Diagram) TO A ...
  - → Relational Database
- Our only real rule is that:
  Relational Databases can only use these data structures:
  - Tables (Relations)
  - Rows
  - Columns
  - Cells

## REPRESENTING ER DIAGRAM ENTITIES IN THE RELATIONAL MODEL

• How do we represent entities such as Professor or Department in a







Book ID Title Price Author Available Publisher Rb ID Name Address Member Mcm-ID Mem-dase Mem-type Add Name Exp-dase Zneity - Table Actribute - Columns.