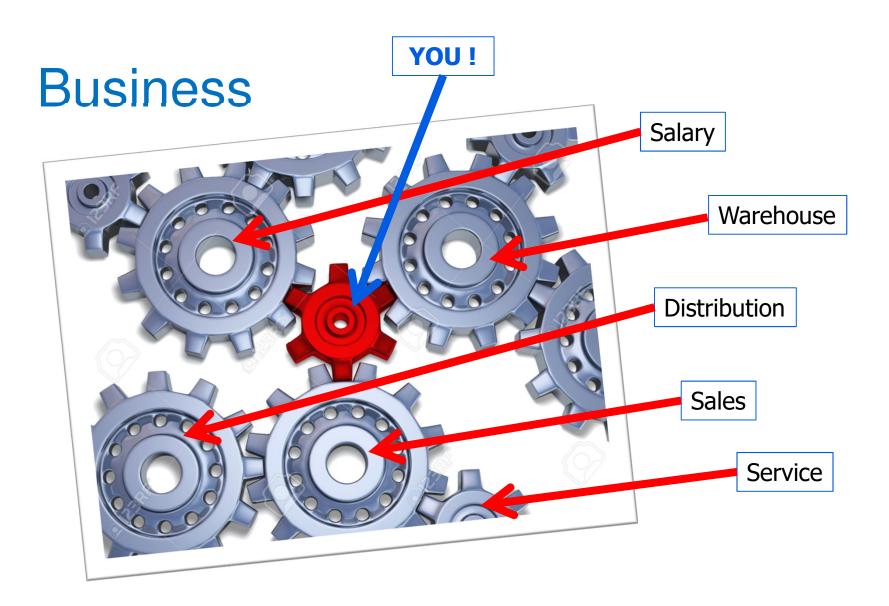
Tracking Data

... Data

MIS – Database I - ERD



Relationships Among Records

-- Values in one table <u>relating</u> to rows in other tables

Email Table

EmailNum	Date	Message	Student Number
1	2/1/2004	For homework 1, do you want us to provide notes on our references?	1325
2	3/15/2004	My group consists of Swee Lau and Stuart Nelson.	1325
3	3/15/2004	Could you please assign me to a group?	1644

Student Table

Student Number	Student Name	HW1	HW2	MidTerm
1325	BAKER, ANDREA	88	100	78
1644	LAU, SWEE	75	90	90
2881	NELSON, STUART	100	90	98
3007	FISCHER, MAYAN	95	100	74
3559	TAM, JEFFREY		100	88
4867	VERBERRA, ADAM	70	90	92
5265	VALDEZ, MARIE	80	90	85
8009	ROGERS, SHELLY	95	100	98

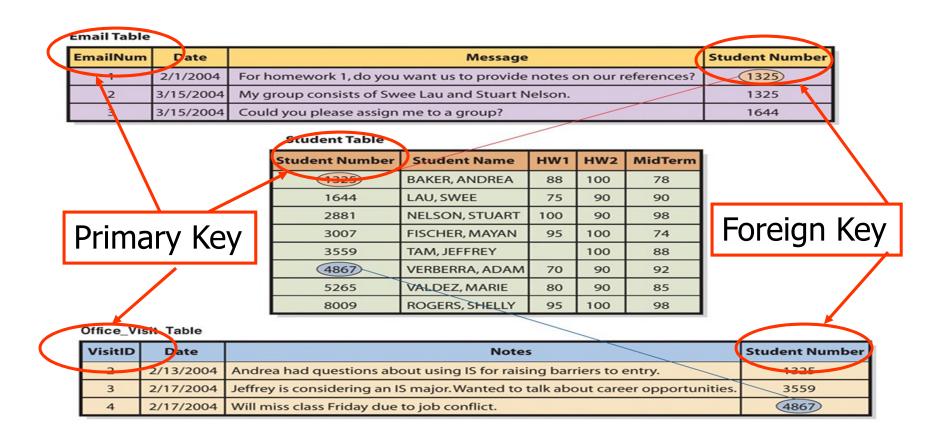
Office_Visit Table

VisitID	Date	Notes	Student Number
2	2/13/2004	Andrea had questions about using IS for raising barriers to entry.	1325
3	2/17/2004	Jeffrey is considering an IS major. Wanted to talk about career opportunities.	3559
4	2/17/2004	Will miss class Friday due to job conflict.	4867

Relationships Among Records

- Primary Keys
 - Column(s) that identify unique row in table
 - Each table has a key
- Foreign keys
 - Primary Keys from a different table
- Relational database
 - Databases using tables, primary keys & foreign keys

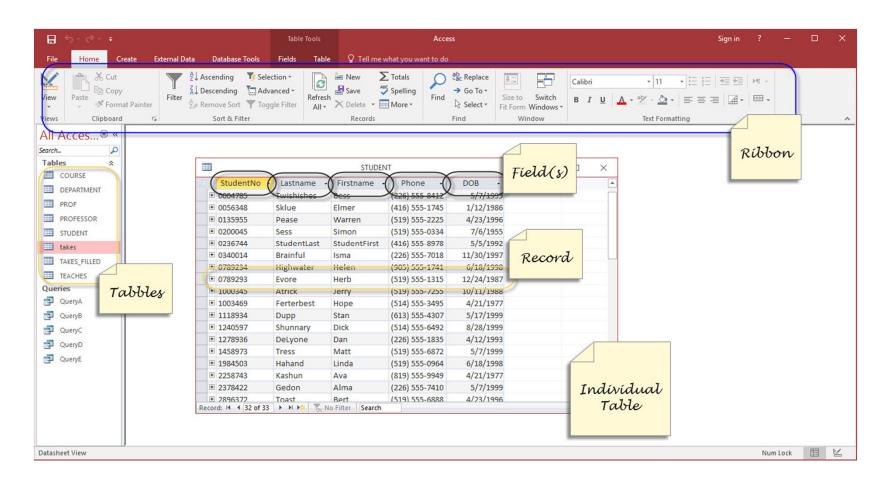
Relationships Among Records



Metadata

- Databases are self-describing
 - Contain description of its content
- Metadata
 - Data that describes data
 - Makes databases more useful
 - Makes databases easier to use

MS Access – 2016 (Terminology)



MS Access – 2016 (Navigation Buttons)

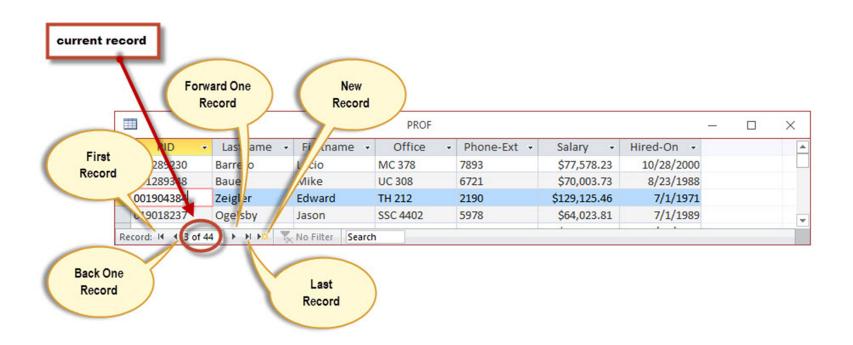
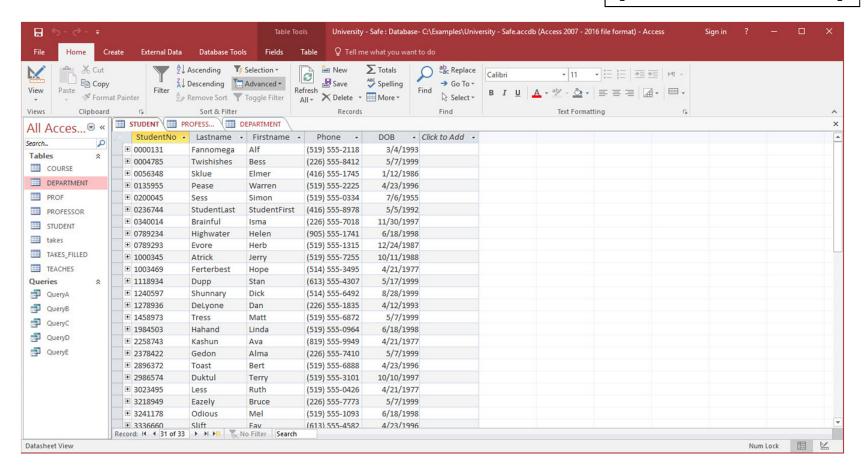


Table Views

- Datasheet view
 - Add records
 - Edit records
 - Delete records
- Design view
 - Create fields
 - Modify fields

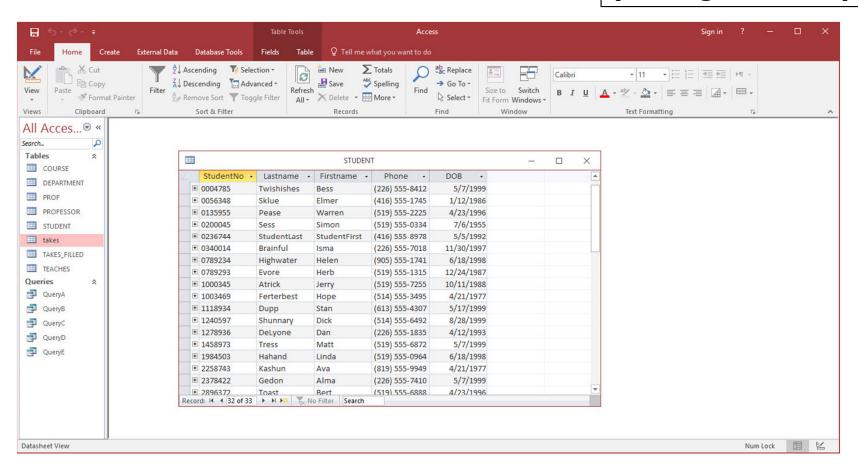
MS Access – 2016 (Terminology)

TABLE VIEW (tabbed datasheet)



MS Access – 2016 (Terminology)

TABLE VIEW (floating datasheet)



MS Access – 2016 (Terminology)

TABLE VIEW (design view)

