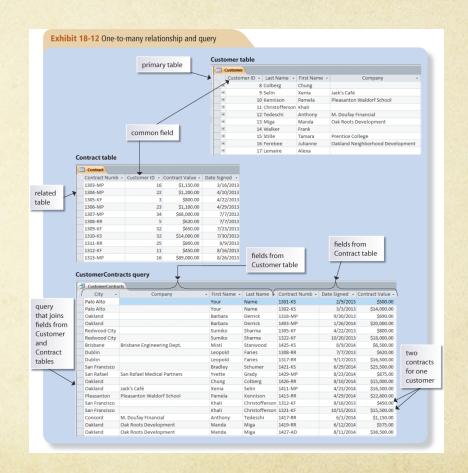
# Microsoft Access

Relationships, Reports and Queries

### Relating tables:

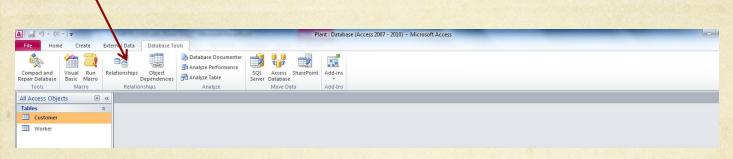
- O Creating a relationship between tables allows the user to get information from more than one table at a time (SubDataSheet).
- O Establish a relationship (join) between tables by connecting fields (with the same data type and size) from different tables.



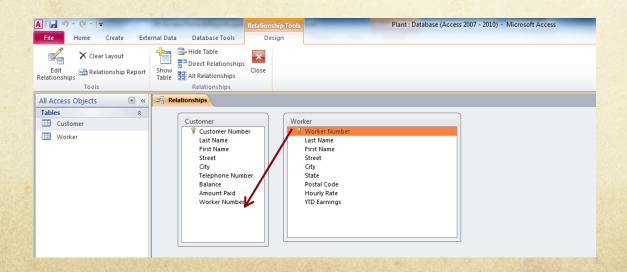
#### Terms to know

- A **Primary** Key: a field which is unique for every record (like SS#).
- O Relationship: ties tables together through a common field.
- C Enforce Referential Integrity: means that you can't enter a record in a related table if that record is not in the primary table.
- Cascade: Deletes records in related tables if you delete record in primary table.

# Creating a Relationship



- O Close the tables before creating a relationship between them
- Relationship button is on the Database Tools Ribbon

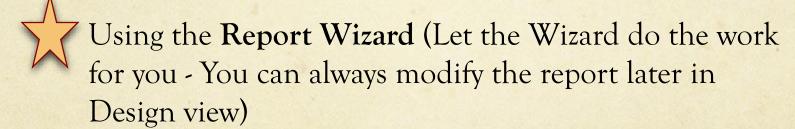


Drag your mouse from the primary field to the related field in the other table

### Reports

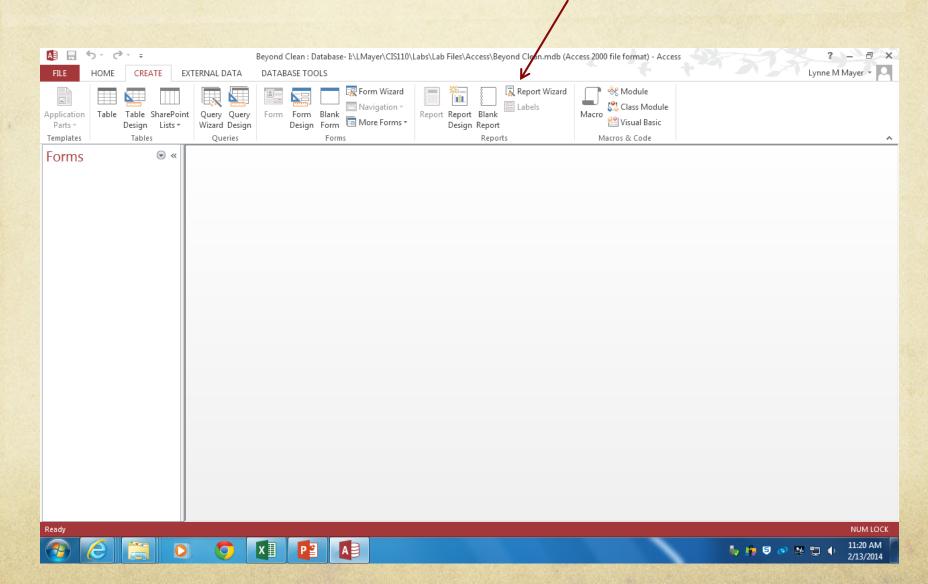
Reports allow you to organize the data into information. Like Forms, Reports can be created by

- O Selecting a table (or query) and clicking the Report button (uses all fields in the table)
- O Using a blank report or creating the report in Design View (not recommended)



O Using the Label Wizard if you want mailing or other labels

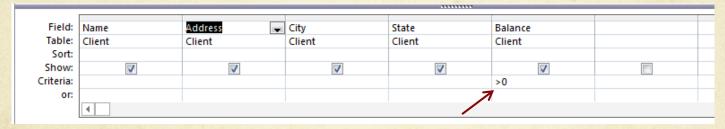
# Report Wizard



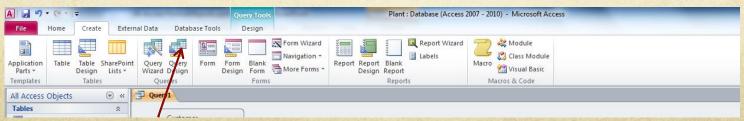
## Queries

Queries allow you to "ask a question" of the database.

For example, which customers have balances >\$0?



Create the Query in Design View to add criteria (like >0) OR to calculate a field (a cool feature we did not discuss in class, but is discussed in Chapter 18 of the book).



#### Other Stuff

There are many features in Access that we did not cover in class.

- Go into design view to add a logo to a form or report.
- Use a wildcard character (a placeholder you use when you know only part of a value or when you want to match a certain pattern) to search for something using the Find command.
- Use a query to calculate a total.

Challenge yourself and see if you can do these on your own.

## Required Skills

- O Implement relationships between tables
- O Create a report using the Report Wizard
- O Modify report properties in Design View
- O Create a query in Design View
- Create mailing labels