

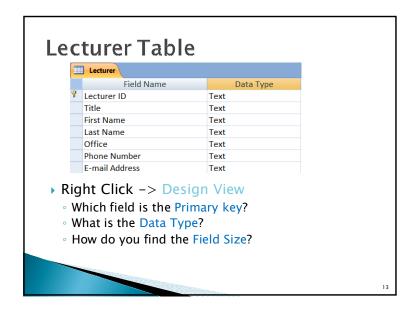
Restriction

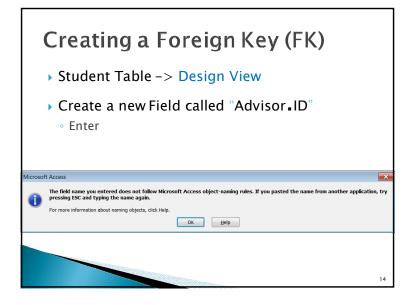
- In a database, all table names must be unique
 - Can't have two tables with the same name
- In a table, all field names must be unique
 - · Can't have two columns with the same name.

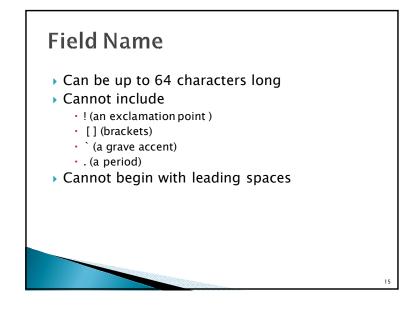
Data for This Lab

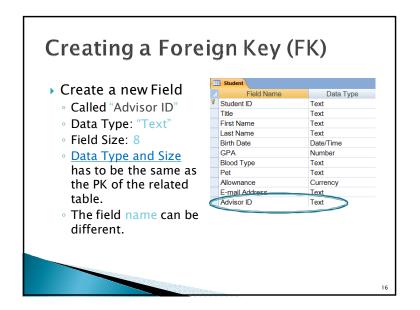
Go to http://goo.gl/H9wXst

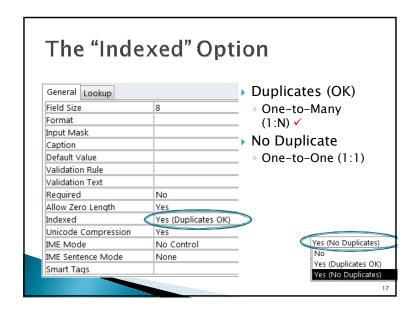
Save the file 13_student_class.accdb on your Desktop.

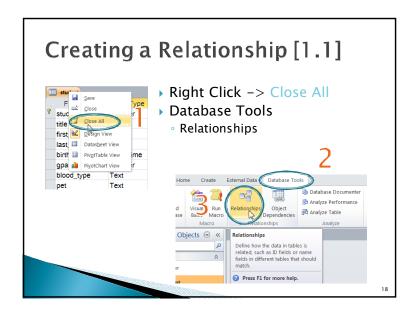


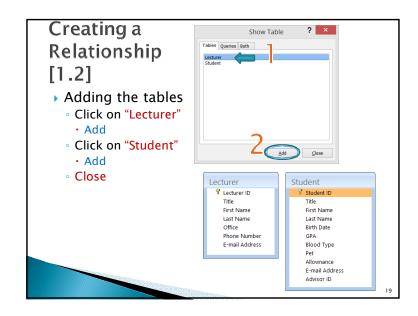


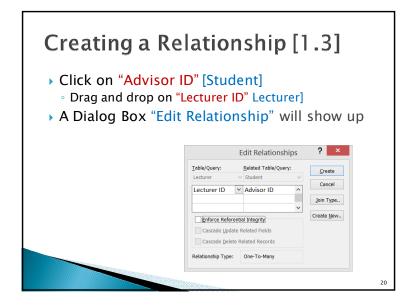


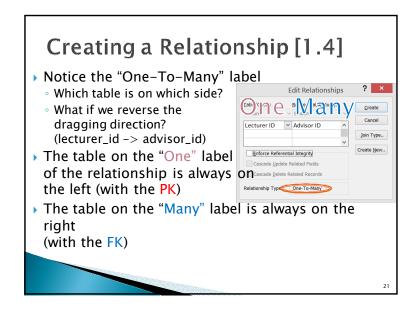


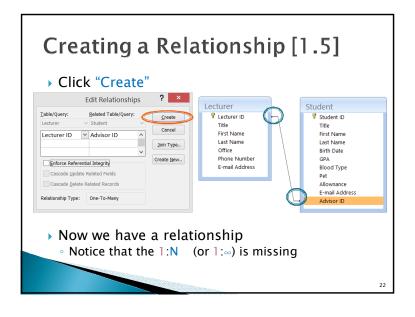




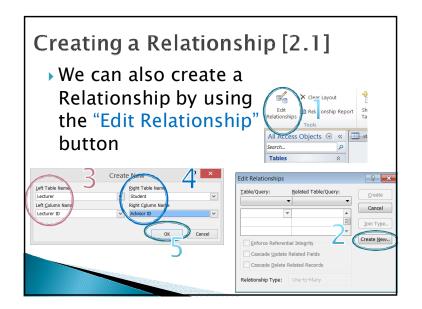


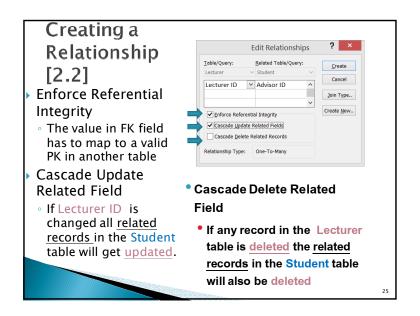


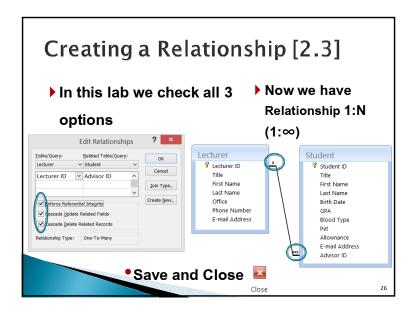


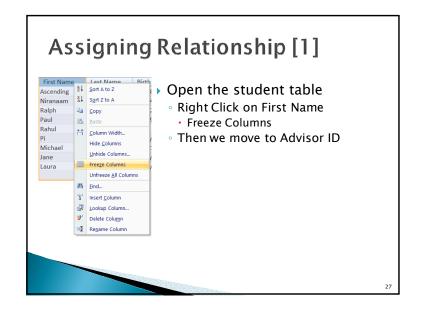


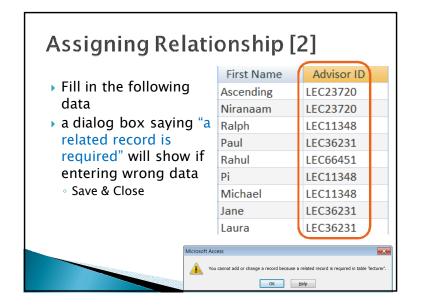


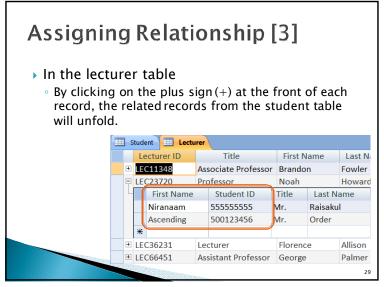




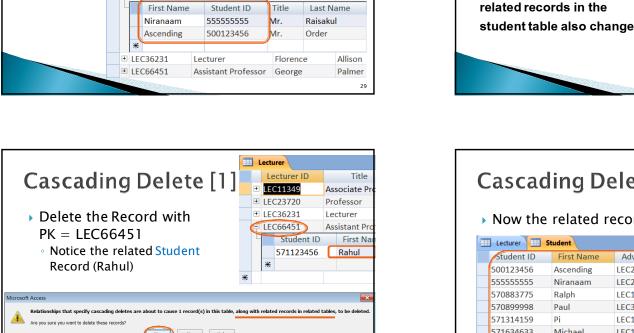


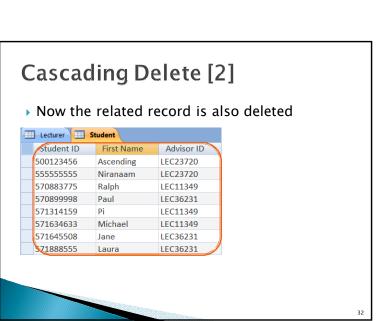






along with related records in related tables to be deleted.





Cascading Update

Title

Associate Profes

Assistant Profess

Professor

Lecturer

After saving the table, the

Student Lecturer

Lecturer ID

ELEC11348

± LEC23720

± LEC36231

LEC66451

Now change "LEC11348" to "LEC11349"

LEC11349

Advisor ID

LEC11349

LEC11349 LEC11349

LEC23720

LEC23720

LEC36231

LEC66451

LEC36231

LEC36231

First Name

Ascending

Michael

Student ID

500123456

55555555

570883775

570899998

571123456

571314159

571634633

571645508

Creating a Query

- To create a query: at the Show Table dialog box, add only the tables related to the query.

 Show Table
 - If the query involves data in Student table only without referring to the Lecturer table, add only the Student table



Query Practice V

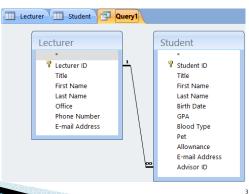
- Create a query to find all female students and male students from the Faculty of Law(20)
- Showing
 - · Names, student ID, and GPA
- Sorted by GPA (ascending)

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Creating a Query [2]

If querying involves data in the lecturer

table, we need to add the Lecturer table also.



Query Practice VII

- Create a query to list the name of students whose advisors are professors
 - Showing student ID, name, and GPA
 - Sorted by last name descending

Query Practice VIII

- Create a query for students with GPA higher than 2.75 and having advisors w/ office in building 4 (Office:A4XX)
 - Showing (Students') Name, and the advisors' office number and GPA
 - Remember wildcard? (* and ?)

Summary

- Creating a Relationship
- > Removing a Relationship
- ▶ Enforcing Referential Integrity
- Cascading Update/Delete
- Querying on related tables

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