MS Access

Class VIII
lab 29

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Normalization

Faculty and Their Courses

Faculty ID	Faculty Name	Faculty Hire Date	Course Code
389	Dr. Giddens	10-Feb-1985	ENG-206
407	Dr. Saperstein	19-Apr-1999	CMP-101
407	Dr. Saperstein	19-Apr-1999	CMP-201
424	Dr. Newsome	29-Mar-2007	?

Database normalization, or simply normalization, is the process of organizing columns (attributes) and tables (relations) of a relational database

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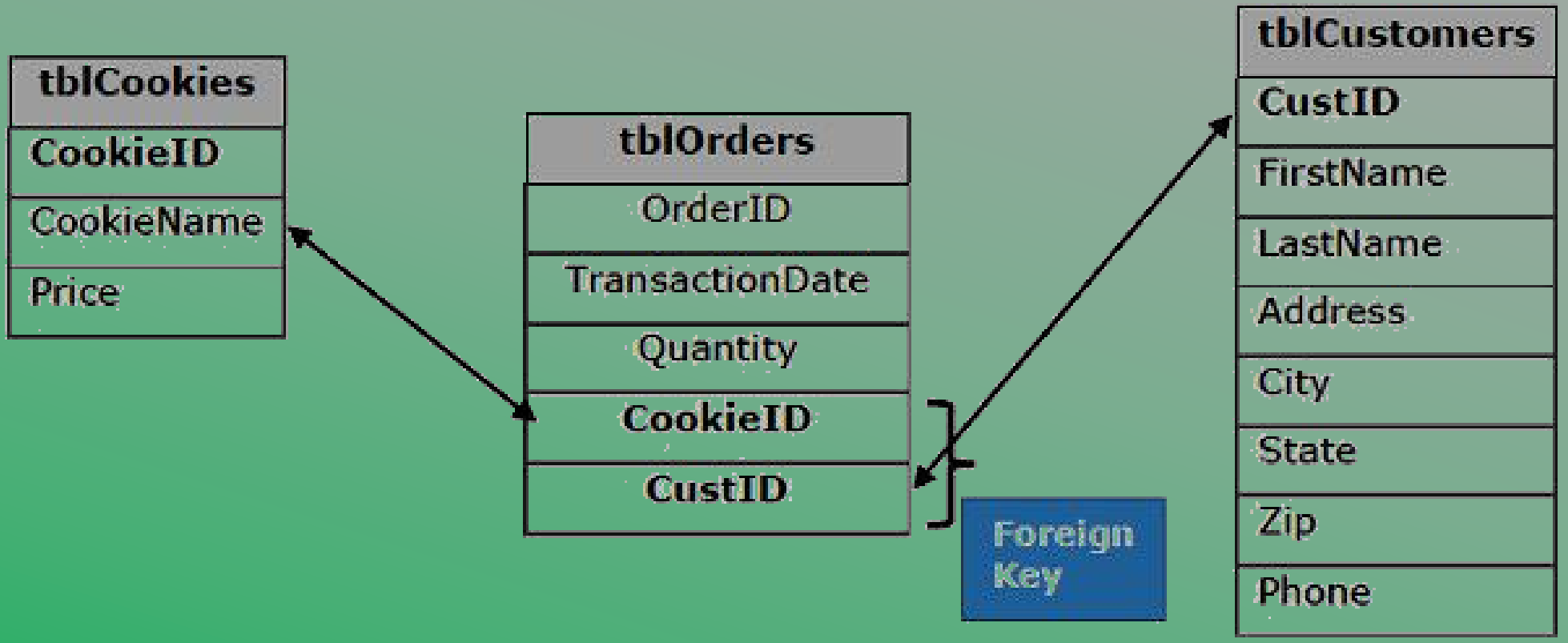
Table Breakdown



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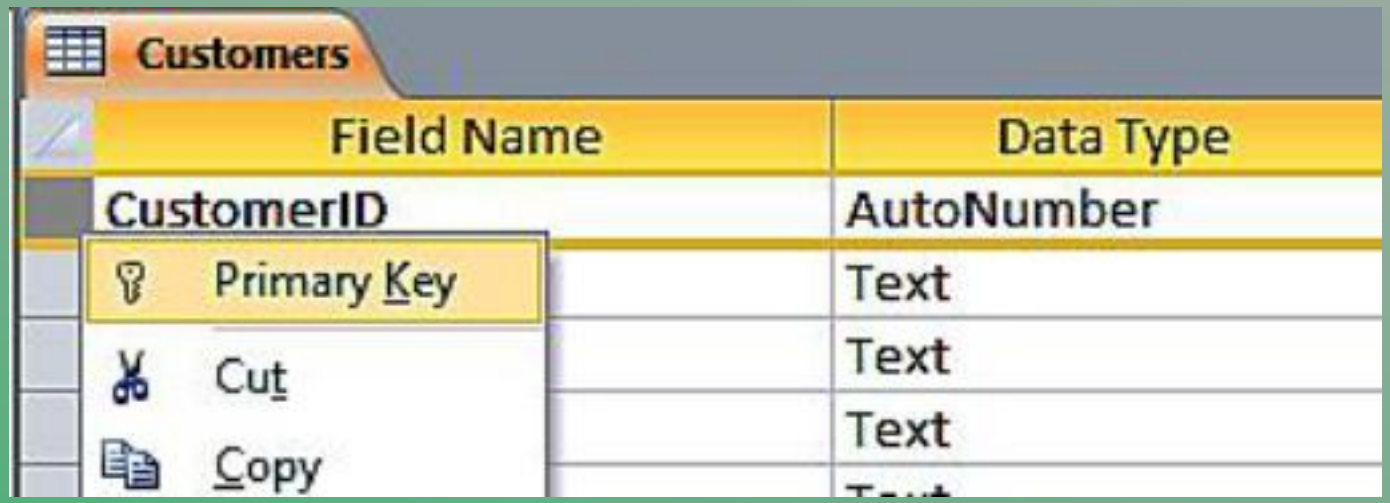
Defining Relationships



the relationship matches the primary key from one table, which provides a unique identifier for each row, with an entry in the foreign key in the other table

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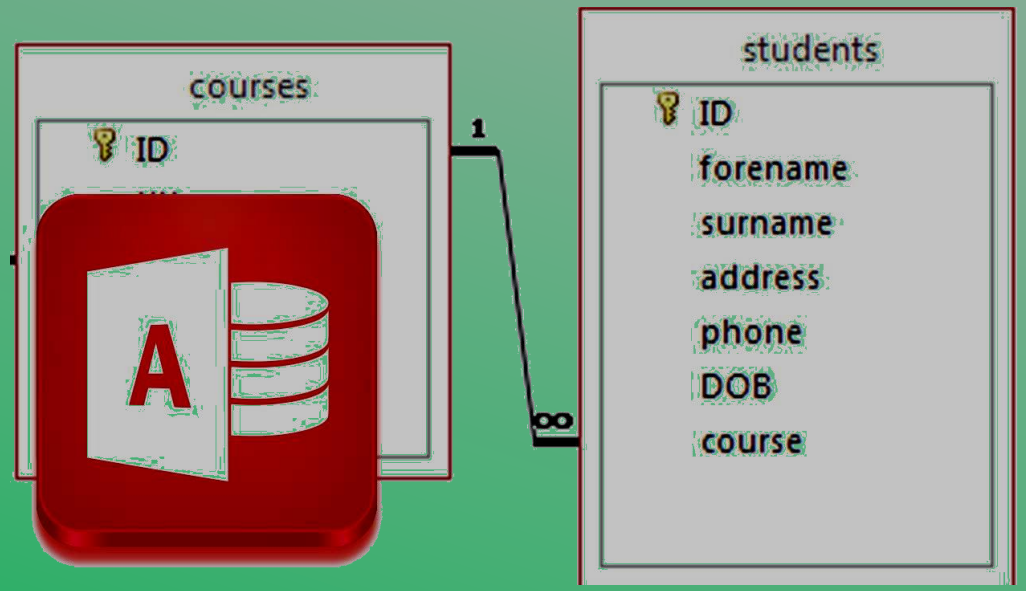
One-to-Many Relationships



a row in table A can have many matching rows in table B, but a row in table B can have only one matching row in table A

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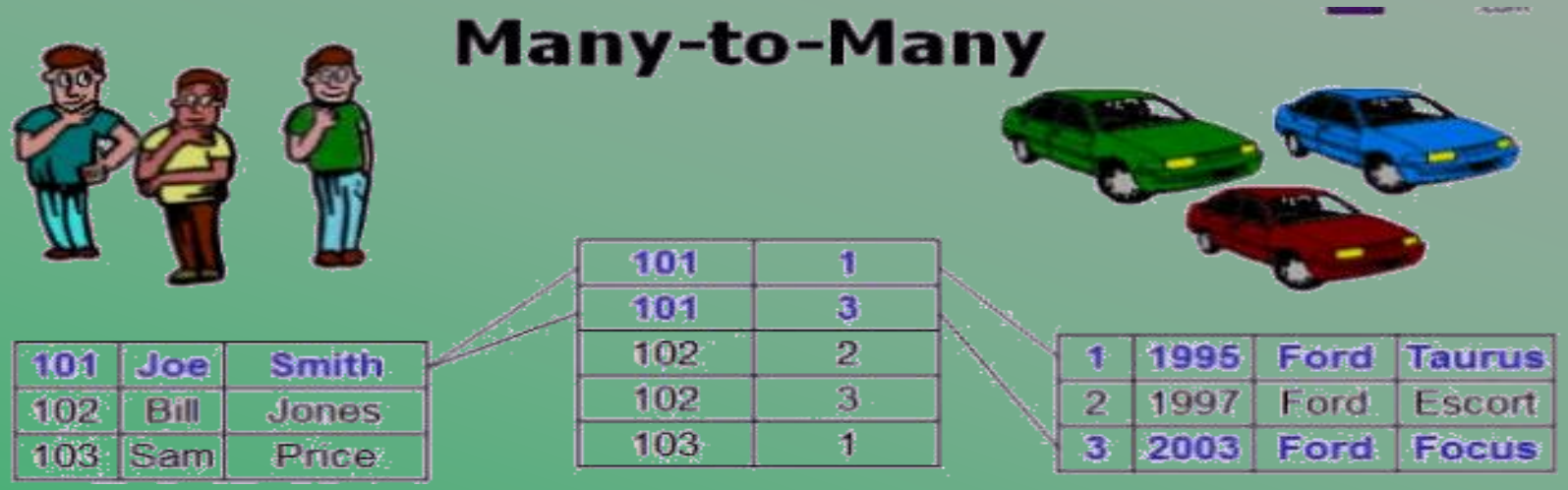
Many-to-Many Relationships



a row in table A can have many matching rows in table B, and vice versa

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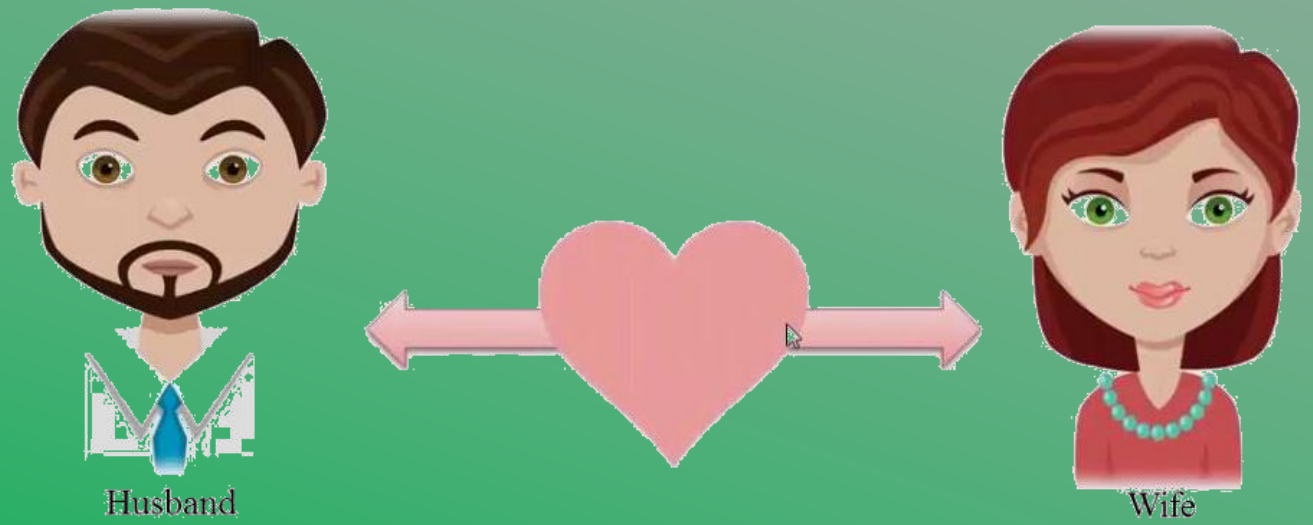
One-to-One Relationships

One to One



a row in table A can have no more than one matching row in table B

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