

### Terminology:

- 1) **Dataset** - collection of related data files
- 2) **Relation/Entity Type/Table** - contains data in the form of rows and columns
- 3) **Field/Attribute/Column** - properties of the records in a table
- 4) **Row/Entity/Tuple/Record** - an entry in the table
- 5) **Cell/Value** - value of a field corresponding to a row and column in the table
- 6) **Data Type** - type of data that is filled
- 7) **Constraint** - forces only certain kinds of values in the column
  - a) **Primary Key** - all values should be unique and not null
  - b) **Foreign Key** - the parent table has a primary key and that column is referenced by the child column to be related to the parent class.
- 8) **Schema** - definition of the table
- 9) **Database** - a collection of tables that have related info

### Relationships:

- 1) **One to Many** - one entity in a table can be referenced by multiple entities in another table
- 2) **One to One** - one entity in a table can be referenced by only one entity in another table
- 3) **Many to Many** - many entities in a table can be referenced by many entities in another table

### Junction Table

- For many to many relationships
- maps two or more tables together by referencing the primary keys of each data table