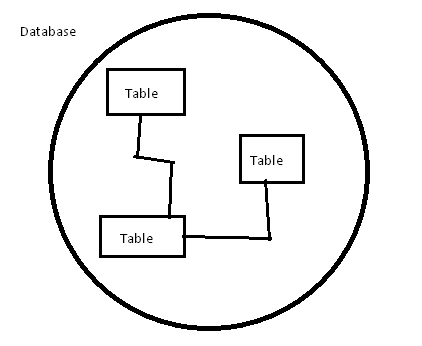
10/12/16 GUI C++

Class notes

Databases

Database

* A series of inter relational tables that store data.
* 
  + 3 Types of tables
    - Entity Tables
      * An object
      * First row in every table is a key
        + Ex) Social, Driver’s license, some form of identification
      * Instructor
        + Holds directions
      * Constructor
        + Holds and runs data
    - Cross reference Tables
      * A map for instructions for constructor
    - Enumerated Tables
      * A list
* A data structure.

Programs

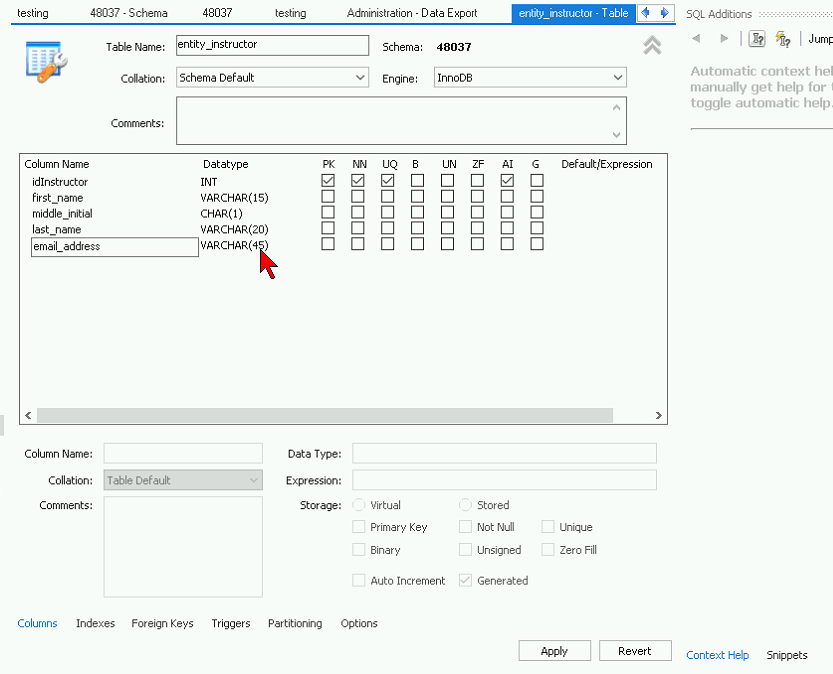
* MySQL
  + Def.) A language for creating efficient data bases
* XAMPP
  + Contains SQL code
* OpenOffice
  + Def.) SQL GUI database
  + Workbench
  + Connectorj

Local SQL database

* Works on port 3306
  + “Port assignment” google search yields port results.
* RCC SQL
  + Username: 48037
  + Pass: 48037cis17b
  + Schema: 48037
* Steps:
  1. Run XANPP
  2. Start SQL database
  3. Run SQL Workshop
     + If you wish to create database
       - Right click on Schema region
       - <Create Schema>
       - This creates SQL database
     + If you wish to copy database
       - Export SQL database to copy
       - Import
  4. Refresh and select lightningbolt to run.
  5. Remove lock from source code to edit

Creating Tables

* Must declare tables and column/row names
  1. Options are given in the creator
  2. Size of datatype is an option



Style rules

* All lowercase
* No spaces
* IDs are always ints

XANPP

* Def.) Runs database libraries
* Use to run SQL