SQL Research

Information found at https://www.w3schools.com/sql/

- SQL – Standard Query Language

- Allows you to manipulate databases

- RDBMS – Relational Database Management System

  o Data stored in objects called tables

  o Tables are a collection of related entries with columns and rows

- Important SQL Commands

  o SELECT – extracts data from a database

  o UPDATE – updates data in a database

  o DELETE – deletes data from a database

  o INSERT INTO – inserts new data into a database

  o CREATE DATABASE – creates a new database

  o ALTER DATABASE – modifies a database

  o CREATE TABLE – creates a new table

  o ALTER TABLE – modifies a table

  o DROP TABLE – deletes a table

  o CREATE INDEX – creates an index (search key)

  o DROP INDEX – deletes an index

Also watched this video: https://www.youtube.com/watch?v=p3qvj9hO_Bo

- Basic Program Example:

- CREATE DATABSE test;

- USE test;

- CREATE TABLE test (

  o test_column INT

-);

- ALTER TABLE test

- ADD another_column VARCHAR(255); (Notice that you can add linebreaks but it doesn't end the line until a semicolon)