SQL Research

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

* SQL – Standard Query Language
* Allows you to manipulate databases
* RDBMS – Relational Database Management System
  + Data stored in objects called tables
  + Tables are a collection of related entries with columns and rows
* Important SQL Commands
  + SELECT – extracts data from a database
  + UPDATE – updates data in a database
  + DELETE – deletes data from a database
  + INSERT INTO – inserts new data into a database
  + CREATE DATABASE – creates a new database
  + ALTER DATABASE – modifies a database
  + CREATE TABLE – creates a new table
  + ALTER TABLE – modifies a table
  + DROP TABLE – deletes a table
  + CREATE INDEX – creates an index (search key)
  + 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 (
  + 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)