



INTRO TO SQL WEEK 3

APRIL 18, 2023 – MAY 4TH 2023

WEEK 3: MAY 2 & MAY 4, 2023

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BLOG: [HTTPS://SYLVIAVARGAS.COM/](https://sylviaavargas.com/)

BLOG (IN PROGRESS): [HTTP://SHESATECHIE.ORG/](http://shesatechie.org/)

ALL SLIDES ON [GITHUB](https://github.com): [HTTPS://GITHUB.COM/SQLSYLVIA/GDI-SQL](https://github.com/SQLSYLVIA/GDI-SQL)

WEEK 2 AGENDA – MORE DATA MANIPULATION

We will continue using the **W3Schools** Database for class.

https://www.w3schools.com/sql/trysql.asp?filename=trysql_editor

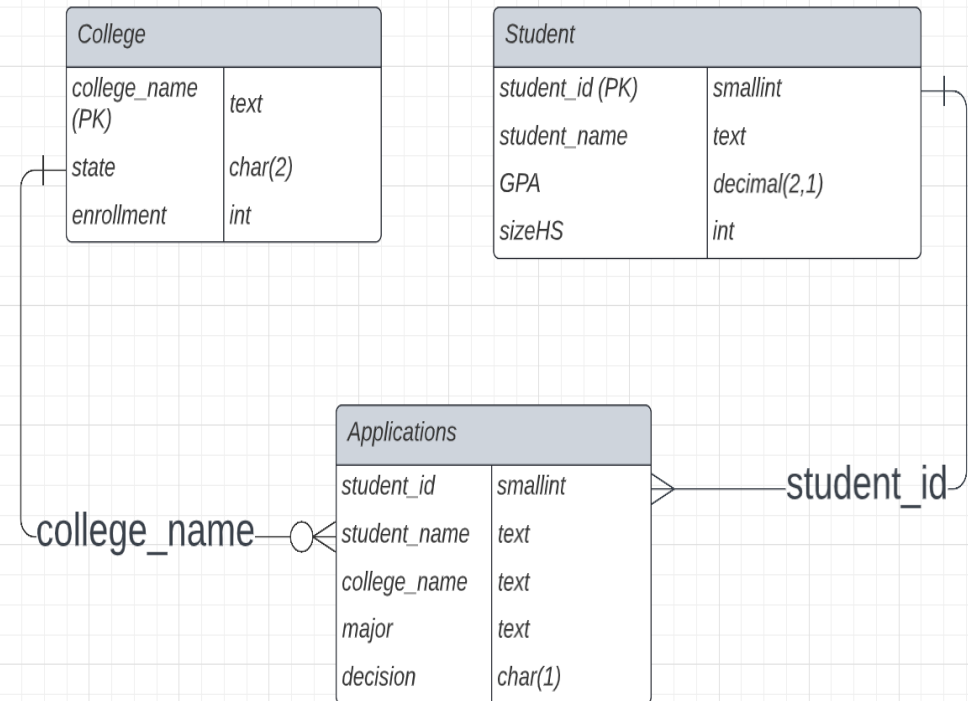
This week's class topics include:

- JOIN REVIEW
- OUTER JOINS
- SUBQUERIES and Common Table Queries
- INSERT
- UPDATE
- ALTER TABLE
- CREATE TABLE

COLLEGE / STUDENT DATABASE

- See College DB and other SQL databases created in REPLIT at <https://github.com/sqlsylvia/GDI-SQL>
- These databases are developed for you to practice you SQL!

College Student Applications Database



SQL FORMATTING AND DATE FUNCTIONS

- **FORMATTING** and Date functions are different across the various SQL platforms. There was no original Standard when SQL was developed. So every RDBMS vendor created their own standard and many times changed the standard in various versions of their database.

SQL FORMATTING

- For Examples Checkout

<https://github.com/sqlsylvia/GDI-SQL/blob/main/SQLFormatting.md>

SQL DATE COMMON FUNCTIONS

- Current Date and Time
- Date Difference
- Extract a date part from a date. Ie. Day of week.

For examples checkout

<https://github.com/sqlsylvia/GDI-SQL/blob/main/DateFunctions.md>