RacingConnect is a console based application that allows users to interact with a mySQL relational database, racing, that stores information about a SCCA (sports car club of America) season and performs analysis on that data. Tables are

Review Entity Relationship Diagram

Different Relationships-One to One -Points(2nd Normal Form)

Driver-3rd Normal Form (no transitive functional dependencies)

One to Many – Race Results

Association Table (Result, not exactly an association)

* Drivers & Cars
* Season Schedule
* Tracks (Race Cources)
* **Points**
* **Race Results**

Operations

* Crud Demo
* Update driver Name Demo
* Import from .CSV demo
* Data Analysis Demo (input Range Percentage)
* Console Display Demo
* Export Demo

Database queries demonstrate:

* Subqueries, Case When (mySQL if/switch), autoincrement, user Variables in querys,,
* DML (data manipulation language) Queries insert, update

Highlights:

User Input Validity checking (Input Valid Class) for Text input

Re-useable code (export to csv, import from csv (DEMO))

Use of Apply,

Future Features:

Web scrape information from SCCA website tables and upload into database